

«kÿKf` i Rb»

«el qwf»EK cökÿY g`ibgij

msMxZ

cö_igK «kÿv Dbqb Kg»P-3

cö_igK «kÿv Awa` Bi

evsj v` k, XvKv

«el qwf»EK cökÿY: msMxZ

i Pbvq

Aa'vcK i xbvZ dI uRqv
ubtik P>' agyvRx©
A'Pbv mrvv
tdi t' smx telMg

m=úv`bvq

tgv: ianj- Avqxb (hM#mPe)
cwi Pij K (cükýY)
c0_ugK ukýv Ana`Bi, XvKv|

ciugk©0v#b

W. GtKGg Lvqij Avj g
ukýK-ukýv Dbqb ue#kI Á,ucBwMuc-3
c0_ugK ukýv Ana`Bi |

mveR ZEjeav#b

tgv: ianj Avqxb (hM#mPe)
cwi Pij K cükýY
c0_ugK ukýv Ana`Bi |

cKvkbv

cükýY uefivM
c0_ugK ukýv Ana`Bi, XvKv|
gvP,2013

gjeÜ

cÜügK ukÿvi DbqB KgñP-3 Gi gj-jÿ I Df'k n'Q cÜügK ukÿvi ,YMZgvb i DbqB| cKZct¶
, YMZgvb GKñU AvtçvYK Dcj wä ev GKñU Pj gvb avi Yv| çv eZBkxj wtk'gub¶ i Pñn`v , wtk _Kvi Dcvq Ges
gj`teva cÜZnbqZ çv eWZ n'Q| wtk¶v äÁvbtk ev`éRxbt cÜqM Kti e`v³ Rxbti cÜ`vkv çv-Y I RvZvq
Rxbti DbqB mvaþbi Rb` hZUKzÁvb, `¶Zv I Rxbt wó ARB Kiv Avek`K ZZUÿyÁvb I `¶ZvK wtk¶vi
, YMZgvb ejv hvq| evsjv`tki cÜügK wtk¶vi wtk¶vµtg wki`i wclq I tkÖv wfiEK çvŠK I ARB-DcþvMx
þvM`Zv, tÿv wv`š Kiv i tqQ| G þvM`Zv, tÿv ARB Kij B wki i þvM`Zv AvRZ ntqQ ev wki i wtk¶v gvbmsZ
ntqQ etj MpY Kiv hvq|

wkÿv_x¶ i wbañ Z þvM`Zv ARB ev KivRi wLþbi wvç¶v , iÿçv`Dcv`vb n'Q wtk¶K| `¶M`RbK ntj I mZ`
th, wtk¶Y KvR wtk¶KMþYi Aþtki cÜwZ çv wv Zfvte m`ubwqbr| wtk¶K cÜ¶¶Y `f gþvþvM, mwgZ kv³ I
LwDZ tcÜYv e`q Kiv nq| wtk¶K`i wbtqM cÜqgq `Lv hvh, wtk¶¶Yi Rb` me t`tk , iÿçv`wclqÁvb I
wtk¶YwvÁvbwclqK Ávb Avtçv mvaY Ávbi Dci wv wv¶ Kiv nq| cÜ¶¶Y Dch¶ `wv Ávbi fvi mig` i ¶v
Kiv nqbr| mgr¶v, tÿv tZ ZvB `Lv hvq, wclqÁvb thgb Aþtk wtk¶K `¶ bb, tZgvb Avtþtki wtk¶¶Yi Rb`
Acwv wv¶h wtk¶YwvÁvbwclqK Rvb Zvi NvUwZ i tqQ|

G Rb` cÜqvRb, wv`ij q I tkÖvK¶K wfiEK Kti çv wv Z ukÿK-wkÿv I Rxbv`vçv avv wvñK tckvMZ ukÿv|
mµq I wki evÜe tkÖvK¶K mµi Rb` wtk¶K`i cÜqvRb, wtk¶Y-wLb KvR tckvMZ wtk¶Kgvb I wtk¶v_x¶þvM`Zv
wfiEK Kti AvtçvŠb wvZ I msvMvZtEji cÜqM Ges wv`ij q I mgvRi mstM mµçvK`vçvþi þvM`Zv| eZgvb
wvñçvGW tKvñ, Pñn` wfiEK mve-Kv`vi cÜ¶¶Y Ges wclq wfiEK cÜ¶¶Y G ukÿKgvb I ukÿKþvM`Zvi KvVtg
wvtePv Kti çv wv Kiv ntqQ| ZEMZ wfiEK Avtçv G me cÜÿY ev`évb Kiv tMj gvbmsZ wtk¶K Aek`B
`Zv nte Ges gvbmsZ ukÿv wvñZ Kiv Kiv hvte|

DtjL, wclq wfiEK cÜÿ¶Yi Rb` ukÿvµg-Ašf¶ evsjv, BstivR, MvYZ, cÜügK wvÁvb I evsjv`k I wvçv Pq
wclq 5wU Ges cÜkvagv`Kj wv`vi Ašf¶Z Pviyl Kvñe`v, msvM I kvñvK ukÿv wclq 4wU, wvçv 8wU
g`vbsvñj cÜvZ ntqQ| | wvfvbwclq ukÿK`i cÜÿY-Pñn`v wvfvçvþi Rb` ukÿKþvM`Zvi AvtçvK `Zv KZ.
çv v ukÿK`i Rb` GKvWgK msvv wvkb QK-1 Ges b`vkb`ij ÷ wvU Gtmv¶vU wvçvU wvÿKþvM`Zv wfiEK
ukÿK`i `AvtçvŠb QK-2 DbqB Kiv ntqQ| G `wv Qtki gva`tg gvV çv¶q ukÿK, KgRZv, msvv fvBRvi I
cÜÿK`i msvvZvq cÜÿY-Pñn`v, tÿv wvfvçvZ ntqQ| dtj, G cÜÿ¶Yi wclq ntqQ ev`éwvfiEK I tkÖv wLb-
tkLþvvi Rb` cÜwvK| çvB cÜÿY-Pñn`vi Dci wfiEK Kti wvçvIÁ tJLK`i msvvZvq AvtçvP` 3wU wclq
cÜÿY g`vbsvñj cÜvq Kiv ntqQ| hviv G g`vbsvñj, tÿv iPv Kti tQb Zv v mKtj cÜügK ukÿv I ukÿvµg,
wclqÁvb I ukÿYwvÁvbwclq Ávþ wv`»Rb| Avkv wv, cÜügK ukÿK`i tckvMZgvb DbqB G g`vbsvñj, tÿv
mÿi-cþvix fvçvKv i vLte|

msvMZ wclq G g`vbsvñj wU iPv Kti tQb Aa`vçvKv i vçvZ dI wRqv, wvçv P`a gÿvRv, A`Qv msvv I tdi`Šim
teMg| g`vbsvñj wU DbqB `xN`mgq ati msvvZv cÜv Kti tQb cÜÿY wvfvMv çv Pj K tgv iávj Avçv,
Dccv Pj K bvmgv Lv, msvvçv çv Pj K wRv`tgv: Ave`jv, I tgv: bRiá Bmvg| wvñv Mix , ZvEK I
GKvWgK çv vçv` tQb ukÿK-wkÿv DbqB wvçvIÁ W. GGK G Lvqig Avj g| msvv mKtj wvçv mKv `Kv
Kti g`vbsvñj wU DbqB Ae`v ti tLQb etj Zv` i tK Avw wvçv fvte av`ev` Avçv Kiv Q&

mPxcĪ

μngK bs	nel he ⁻	côv bs
1.	KgñPxi	
2.	Awatekb 1 : cwi i PwZ, cñk ybce ^g j ⁻ vqb	
3.	Awatekb 2 : mSMxZi msÁv, tkñYne fñM, Zvj, j q I Q ⁻ cwi Pq	
4.	Awatekb 3 : Mvb ÒAvgi v mevB i vRvÓ	
5.	Awatekb 4 : Mvb ÒcñRvñZ cñRvñZÓ	
6.	Awatekb 5 : mSMxZ ñk y ^v vb c xñZ I tñKšj Ges ñbawñ Z Mvbmğññi Zvj m ⁻ úñK ^g Rvñv	
7.	Awatekb 6 : Mvb Ònek ^ñ mSMxZÓ	
8.	Awatekb 7 : Mvb Òñcñ dñ kvcj v dñÓ	
9.	Awatekb 8 : ñki i gubñmK, kvñññ K I bñ ⁻ ñbZ ñeKvñk mSMxZi , i ñZ; mSMxZi gva ⁻ ñg ñki i v Kñfvñe tññL	
10.	Awatekb 9 : Mvb ÒAvgi tñvññi evsj vÓ	
11.	Awatekb 10 : Mvb ÒAvgi fñBñqi i ñ ³ i vOññvÓ	
12.	Awatekb 11 : mSMxZ ñel qK cvV cwi Kí bñ cñqñ Ges cÓ kññ cvV	
13.	Awatekb 12 : Mvb Òi ³ ñ ⁻ ñq bvg ñj ñññÓ	
14.	Awatekb 13 : Mvb Òñbññi ñvñZ KñR KíÓ	
15.	Awatekb 14 : ñbawññ Z Mvb , ñj i cñññZ. Rvñv Ges ev ⁻ ññññ cwi i PwZ I e ⁻ ññi	
16.	Awatekb 15 : Mvb ÒPj & Pj ð	
17.	Awatekb 16 : Dcgnñ ⁻ ñki mSMxZ mvaKñ ⁻ i Rñebñ Ges Ab ⁻ vñ ⁻ ñel q ñk ^ñ ñ ⁻ vññ mSMxZi e ⁻ ññi	
18.	Awatekb 17 : Mvb Òab avñ ⁻ c ^g ú fñvÓ	
19.	Awatekb 18 : Mvb ÒGB mñ i dñÓ	
20.	Awatekb 19 : mi Mg Abñññ b	
21.	Awatekb 20 : Mvb ÒAvñ ⁻ ññ vñK gññ vññ vñKÓ	
22.	Awatekb 21 : Mvb ÒAvñ vñ tñN t ⁻ cññb t ⁻ Ó	

23.	Awaʔekb 22 : 0Avɣvi tmbvi eivj v0 I 0ab avb" c®ú Fiv0 Mvb` 0Ui cɣ t Abɣxj b	
24.	Awaʔekb 23 : 0Avj vn tgN t` cmb t` 0 MvbiUi cɣ t Abɣxj b	
25.	Awaʔekb 24 : AskM0bKviɣ` i cviMZv gj`vqb I c0k 0#YÉi gj`vqb	
26.	Awaʔekb 25 : mis` 0ZK Ab0vb	
27.	cvi 0kó 1 : msMxZ (c0g-cÂg tk0Y) weI tɣ ms0kó c0s-K thvM`Zv	
28.	cvi 0kó 2 : Avek`Kxq 0kLbμg	
29.	mnvqK M0švevj	

msMxZ weł tqi cġkŷY KgŃRk :

W` b-1		
mgq	Awa`tekb	welq
8.30-9.00		AskMġhYKviMŷYi tiwRt÷kb
9.00-10.30	1	cwiwPwZ, cġkŷYceġj`vqb, cġkŷŷYi wbgvewj I Dŷi`k`
10.30-11.00		Pr weiwZ
11.30-1.00	2	msMxZ msÁv, tkġYwefwM, Zvj , j q I Q` cwiwPwZ
1.00-2.00		ga`vŷ weiwZ
2.00-3.30	3	ÒAvġiv mevB i vRvÓ MvbwU Abkxj b
3.30-3.45		Pr weiwZ
3.45-5.00	4	ÒcRvcwZ cRvcwZÓ MvbwU Abkxj b

W` b-2		
mgq	Awa`tekb	welq
9.00-9.20		ce`w ŷbi tkLwfbv MvbwU Abkxj b
9.20-10.30	1	msMxZ wkŷv`vb c×wZ, tKŠkj I wba`wi Z Mvbw mgŷni Zvj I Q` m`úŷK`avi Yv
10.30-10.45		Pr weiwZ
10.45-11.15		Pj gvb
11.15-12.15	2	ÒAvġiv Ki ŷev RqÓ MvbwU Abkxj b
12.15-1.15	3	Òwġŷ dŷ kvcj vÓ MvbwU Abkxj b
1.15-2.15		ga`vŷ weiwZ
2.15-3.45	4	wki`i gvbwMk, kvixwi K I bw`wbK weKvŷk mŷŷŷZi , i`æZj mŷŷŷZi gva`tg wki`iv Kxfvŷe tkŷL
3.45-4.15		Pr weiwZ
4.15-5.00		Pj gvb

W` b-3		
mgq	Awaʔekb	welq
9.00-10.30	1	RvZxq mSMxZ Abkxj b
10.30-11.00		Pv wei wZ
11.00-12.30	2	ÒAvyvi fvBtqi iʔ³ ivOvʔbvÓ MvbwU Abkxj b
12.30-2.00		ga'vy wei wZ
2.00-3.45	3	mSMxZ welqK cvV cwi Kí br cŸqb I cŸ kŸx cvV
3.45-4.00		Pv wei wZ
4.00-5.00	4	Òi³ w` ʔq bvg wj ʔLwQÓ MvbwU Abkxj b

W` b-4		
mgq	Awaʔekb	welq
9.00-9.20		RvZxq mSMxZ Abkxj b
9.20-10.30	1	ÒwbʔRi nvʔZ KvR KiÓ MvbwU Abkxj b
10.30-11.00		Pv wei wZ
11.00-1.00	2	wbaʔi Z Mvb, ʔj vi cKwZ. Rvbr Ges ev` hʔšj cwi wPwZ I e'envi
1.00-2.00		ga'vy wei wZ
2.00-3.00	3	ÒPj &Pj &Pj Ó MvbwU Abkxj b
3.00-3.45	4	Dcgnvʔ` ʔki mSMxZ mvaKʔ` i Rxebx Ges Ab'vb" welq wkyv` vʔb mSMxʔZi e'envi
3.45-4.00		Pv wei wZ
4.00-5.00		Pj gvb

W` b-5		
mgq	Awaṭekb	weiq
9.00-9.15		RvZxq msMxZ Abkxj b
9.15-11.00	1	Òab avb` cÿúfi vÓ MvbwU Abkxj b
11.00-11.30		Pv weiwZ
11.30-1.00	2	ÒGB my`i dj` my`i dj` Ó nvg& Abkxj b
1.00-2.00		ga`ry` weiwZ
2.00-3.45	3	miMg Abkxj b
3.45-4.00		Pv weiwZ
4.00-5.00	4	ÒAvb>` tj` v†K g½j` v†j` v†KÓ MvbwU Abkxj b

W` b-6		
mgq	Awaṭekb	weiq
9.00-10.00		ceP` tbi Mv†bi Abkxj b
10.00-10.30		Pv weiwZ
10.30-11.30	1	ÒAvj` un&†gN` t` cwb` t` Ó MvbwU Abkxj b
11.30-1.00	2	RvZxq msMxZ I RvZxq MxwZi cÿt Abkxj b
1.00-2.00		ga`ry` weiwZ
2.00-2.30	3	nvg` &Gi cÿt Abkxj b
2.30-3.30	4	AskMh`YKvix†` i cvimZv` gj`-vqY I cÿkÿ†YvEi` gj`-vqY
3.30-3.45		Pv weiwZ
3.45-5.00	5	mvs`-wZK Abôvb I mgvwb

velq : cwiPvZ, cġkŷYceġj`vqb, cġkŷtYi ubqgvej I Dfġk`

Avaġtekb-1

mgq : 90 uġvBU

gj-fve :

msMxZ PPġ gva`tg gvbŷj i gb cŷtceġ nq| msMxZ mgv m Av`r` tbi gva`tg gvbŷj mRbkxj nŷq I tV| Ab` velq ukŷv MġtYi gZB G cġkŷY cwiġek Avb>` `vqK, Avšhi K, mRbkxj I RoZv gŷ nI qv cġqRb| Gtŷtġ ZvB mnvqK I AskMġYKviMŷYi gta` mnR, mij, Avšhi K I MxvZgq cwiġek `Zvi Avek`K| tmRb`B G Avaġtektb ci`uġtġi mŷt_ cwiPvZ, cġkŷtYi ubqgvej x I Dfġk` Rvbi cġqRb MġY Kiv nŷqŷQ|

ukLbdj :

G Avaġtekb tkŷI AskMġYKviMŷY-

1. mevB ci`uġtġi mŷt_ cwiPZ nŷeb
2. cġkŷY ce`cġK gj`vqŷY AskMġY KiŷZ cviġeb
3. cġkŷtYi ubqgvej ubaġY Kiġeb
4. cġkŷtYi Dfġk` ej ŷZ cviġeb

DcKiY :

tnvqvBU tevW`g vKġ, Z_`cġ, tcv`vi tccvi, mvBb tcb, gvġġvqWq

cxvZ I tKŷkj :

cġkġġi, Avŷj vPbv, tRvovq KvR|

Avaġtektbi veeiY :

mgq : 50 uġvBU

KvR-1 : ci`uġtġi mŷt_ cwiPq nI qv

- AskMġYKviMŷY i mŷt_ Kŷj veibgq Kiġeb
- mKŷj i Avmb e`e`v vK AvŷQ vKbv G m`uġtK`AeMZ tnvb
- Z_`cġ evŷZ tKŷkj i gva`tg cġZ`KŷK vbR cwiPq v`ŷZ ej ġeb
- Avcbvi cwiPq v`ġeb
- cwiPq ce`kŷI mKj ŷK ab`ev` Rvbrġeb|

KvR-2 : cĦK gj-vaqb cĦeĦi DEi t`lqv

mgq : 10 vqvBU

- cĦkYv_Ħ`iĦK cĦKgj-vaqbĦ mieivn KiĦeb
- cĦeĦiB ubaĦi Z`vĦb DEi vj LĦZ ej Ħeb
- cĦkYK DEi cĦĦ` tĦv msMĦ KiĦeb
- gj-vaqbceĦ ubĦRi KvĦQ msi yY KiĦeb

KvR-3 : cĦkYĦYi vbqgvej ubaĦiY

mgq : 20 vqvBU

Ħth tKvb cĦkYy KgRvj v mdj Kivi Rb" Kx vbqg-Kvby tgĦb Pj v DiPZĦ-cĦKv mKĦj i DĦiĦk" KiĦeb

- cĦZ`KĦK cvĦki RĦbi mvĦ_ K_v etj GKvU KĦi vbqg vbR LvZvq vj LĦZ ej Ħeb
- GKRb AskMĦYKviĦK cĦZ`ĦKi vbKU t`ĦK cĦB Z`" tnvqvBU tevĦWvqj LĦZ ej Ħeb
- tĦ Lv tkĦi Z`" tĦv cĦo tkvbĦeb Ges cĦqvRĦb Z`" cĦĦi mshy vbqgvej i mnvqZv vbĦeb
- vbqgvej mevĦĦK tgĦb Pj vi Rb" AvnYvb RvbĦeb Ges tcv÷vĦi vj tL KĦy i GKvU `k`gvb vĦb UvvzĦq v` Ħeb|

KvR-4 : cĦkYĦYi DĦiĦk" ejĦZ cviv-

mgq : 10 vqvBU

- mev i DĦiĦk" cĦkYĦYi lci msvyB fvgKv Avtj vPbv KiĦeb
- cĦkYĦYi DĦiĦk" Kx nĦZ cvĦi Zv mKĦj i DĦiĦk" vRÁvmv KiĦeb
- cĦB DEi tĦv tevĦWvqj LĦeb, mevĦĦK cĦo tkvbĦeb Ges Z`cĦĦ t`ĦK vj vLZ DĦiĦk" tĦv gvĦvqgWqv gvaĦg cĦ kĦ KĦi Avtj vPbv gvaĦg KvRvU tkI KiĦeb|

Z_cĀ : 1

GKRb AskMĥYKvi.ġK ũbġRi AwZ cQġ`i GKũU Mvb mũWK mj, Zij , Q` eRvq tiġL MvBġZ
MvBġZ mġġb AvmġZ ej ġeb| Mvb ġkġI- ŐKZũ b Mvb-evRbri mġġ_ hġŐ Ges ũbġRi bġġ,
c`ex, Kgġj etj ũbġRi cũiPq ũ`ġeb|
ũbR cũiPq ġkġI AvI GKRb AskMĥYKvi.ġK bġġ aġi WũKġeb I Abġġcġġe cũiPq ũ`ġZ
ej ġeb|

cġġġYi ũbġġevġ t-

- ci`ũġi cġZ kġvġġj nI qv
- ġġũġdvb e`envi bv Kiv
- mġġqi mġġġġ e`envi ũbũŐZ Kiv
- ũbR KZġe`i cġZ hZevb nI qv
- ġKvb ũel q bv eġġj ġRġb ġbqv
- cġġZ D`PviġY K_v ej v
- Acti i K_v ġġbvġhvM ũ`ġġ ġkvbv
- AbġġZ ũbġġ cġġKiv
- Avġġi K cũi ġek eRvq i vLv|

Dġġġt-

- mj I Qġ`i ġvaġġ ũki i mġġġvi eũġi I mRbġġj Zvi ũekġk
- ũġŧv_ġġ i ġ`kġġġ, ġvZġi.v, ġnvb ġũġ msMġġ mġġġKġġiġ Kiv
- ũbġRi mġvR cũi ġek-cġġZ. mġġġKġġv I ms`ũZ. ġb` nI qv
- Ab` ũel q ũkLb-ġkLvġbvġZ msMġġZi Āvb cġġqM Kiv|

Z_cĪ : 2

cĀK-gj-vqb cĪ

bvgt.....

tiR bst

mgq t 10 ugubU

cYgubt 10

(mKj cĀkĕ gvb mgvb/ cĀkĕfĪB DEi w`tZ nĕ)

1. msMxZ Kx?
2. msMxZ KZ cĀvi?
3. Zvj KvĕK etj?
4. 12uU `ti i gfa` i x `t KquU?
5. Mvbi KquU Ask I Kx Kx?
6. GK Zvj KZ gvĪvi?
7. cĀg t_tK 5g tkĀY chS msMxZ weI tq ubaĪi Z Mvb KquU?
8. ÒPj &Pj &Pj Ō MvbU Kĕe KZ mtj , tKv_vq i Pbv Kti b?
9. Avgv` i t`tki `Rb wekó msMxZ mvaĕKi bvg wj Lly|
10. ÒGB myi dj myi dj Ō Kx aiĕYi Mvb?

ueIq : msMxZi msÁv, tkŸvefVM, Zvj , j q I Q` cviPq

Avatekb : 2

mgq : 90 vgvBU

gj-fie:

msMxZ gvby i AvteM cKviki i xZg gva'g | Gi gva'tg gvby AZ"šl ubgq I cwi gwRZ ifc ubtRtK cKvk Kitz cvi | gvby i gbi nxb cE, tj v msMxZ PPA gva'tg `i Kti gvby i cŸY kw³tK RvMvi Z Kti | msMxZ gvbeRxeabi nvm-Kvb, Avb>-te`bv, mly-`tL mvsbvi cŸj c | msMxZ mgvtRi mKj `ti cwi e`B | Rxeabi Drmte msMxZ ubZ" m/2x | gvbe Rxeabi mvgwMk ueKviki tyt msMxZi fvgKv AZ"šl , i azcy⁹ msMxZ gvbe RxeabK cwi kvij Z Kti | GK AKwġ g tPZbv RvMz Kti | gvbe Rxeab msMxZi cŸve ZvB gnvij tbi GK gnvgsj

ikLbdj :

G Avatekb tkŸl AskMŸYKvi xMY-

1. msMxZi msÁv I tkŸvefVM ej tZ cvi teb
2. Zvj , j q I Q` i e`vL`v Kitz cvi teb

cxiZ I tkKj :

tRvovq KvR, GKK KvR, Avtj vPbv, Dc`vcb

DcKiY :

gvievgwqv, tcv÷vi tccvi, mvBb tcb, nvi tgvbqv, Zej v, tnvqvBU tevW, tnvqvBU tevW⁹gvKŸ |

Avatekabi ueiY :

KvR-1 : msMxZi msÁv I tkŸvefVM ej tZ cvi

mgq : 40 vgvBU |

- AskMŸYKvi x`i mvt_ i t`Qv I Kkj ueibgq Kiteb
- ŌmsMxZ Kx?Ō cKw gvievgwqv A_ev tcv÷vi tccvi Dc`vcb Kiteb
- mevBtK firetZ ej teb Ges tRvovq Avtj vPbv Kti DEi w`tZ ej teb
- cŸB DEi , tj v tnvqvBU tevW⁹GKRb AskMŸbKvi xtk wj LtZ ej teb
- DEi , tj v ubtq Avtj vPvvi ci Z_`cġ t_`tK msMxZi msÁvi Avtj vtK Avtj vPbv mgx Ges mevi tevaMg`Zvi chq ubtq hvteb
- msMxZi msÁv gvievgwqv cŸk⁹ Kiteb Ges mevBtK LvZvq wj tL ubtZ ej teb
- msMxZ KZ cKviti i ntZ cvi ev tkŸvefVM Kx? cKw mevi Dtġtk` Kiteb

- cvkvcvck wZbRtb Avtj vPbv Kti DEi ,tj v wbtRt` i tbvU LvZvq wj LtZ ej teb
- cŃZ wZbRtbi KvQ t_tK cŃB DEi tevWwvj Ltēb Ges tkŃl Z_cŃĪ t`q Zt_`i Avtj vtK msMxtZi cKvif` e`vL`v Kiēb
- msMxtZi cKvif` ,tj v LvZvq wj tL wbtZ ej teb

KvR-2 : Zvj , j q I Qb` i e`vL`v KiēZ cviv

mgq : 40 wjvU

- nvi tgvmbqvg I Zejvi mvinth` GKwU Mvb wbtR A_ev GKRb cviM AskMhYKvixtK w` tē Mvl qvteb Ges mevBtK gtbvthvM w` tē i btZ ej teb |
- MvbuŃZ Zvj , j q Ges Qb` i Kxfite e`envi ntqtQ Zv AskMhYKvixt` i e`vL`v KiēZ ej teb
- Zvj , j q, Qb` nvZ Zvwj w` tē Ges tMtq fiv fite e`stq w` teb
- AskMhbKvixt` i Zvj , j q, Qb` GB wZbU `tj fivM Kiēb, cŃZ`K `tj Z_cĪ mieivn Kiēb
- `jxq KvŃRi Rb` wbaŃi Z mgtqi tkŃl cŃZ`K `j t_tK Dc`rcb KiēZ ej teb
- Dc`rcb tkŃl gŃ Avtj vPbv gva`tg wcl qe` AvZf` Kivi e`e`v Kiēb |

gj`vqb :

mgq : 10 wjvU

Zvj , j q I Qb` m`utKqKtqKRbtK ckaKiēb |

`AbŃšb :

msMxtZi A_`tkŃviefvM, Zvj , j q Ges Qb` m`utKqKx RvbtZ cvi tj b fiev |

Z_cî :

msAv :

MxZ, ev` Ges bZ` GB wZb Kjvi mgšq mvabKB m½xZ etj | GB wZbW Kjvi gta` MxZ ev KÚ m½xZtKB Avgiv msMxZ wntmte etS_wK | GK K_vq `t, eY`I j tqi ü`qMñx mwotKB msMxZ etj |

MxZ :

gvbtj i gtb i fve hLb K_v i gva`tg mj, Zvj, j q wgvj tq Mxzi gva`tg cKvk Kti ZLbB Bnv Avgv` i KvQ ÒMxZÓ AvKv i aiv t`q | mstÿtc KÚ-msMxZB MxZ ev Mvb |

ev` :

MxZ Dc`vctbi mgq wewfbæcKvii ev`htšj cQvRb nq | msMxZ thmKj ev` I hšmsMxZ msMxZtK mrvnh` Kti MvbtK kñZgaij Kti tZvtj, GK K_vq ZvB ev`-msMxZ | G_tjv wewfbæc iKtgi ntZ cvti- Zejv, bvj, evk, tenjv, tmZvi, nvtgvbqvg, g`½, gv`iv BZ`w | Zte ev`hšjGKKfvteI ew`Z ntZ cvti |

bZ` :

gvbtj i At½i wewfbæAsk thgb nvZ, cv, tPvL, gv BZ`w` mAvj tbi gva`tg Zvj j tqi mnthvM gtb i fveK e`³ Kti Zvnb bZ` |

msMxZi tkñvefM :

msMxZ AtbK cKvii ntZ cvti | thgb- tLqvj, Vgix, MRj, KxÉ, tjvK msMxZ BZ`w | tjvK msMxZ Avevi cKvif` AvQ | thgb- fvlqvBqv, fvuqvij BZ`w | wewfbæcKvi msMxZi gta` tKvbu D`Pv½ Avevi tKvbu nij Kv At½i msMxZ |

Zvj :

Zvtj i kāmZ A_°Zvij | A_® KiZtj i (BnvZ AvNvZ RvbZ) ktāi Øviv MxZ, ev` ev bZ`wqv m`útbiē Kvj ev mgtqi cwigvctKB Zvj etj | Zvtj i Dci msMxZ cñZwZ | Zvj nt`Q msMxZi cY | Zvj Qvov msMxZ cYnx | Avgv` i t`tk th Zvj_wj cPij Z tm_wj nt`Q- Kvnviē, `v`v, wZvj, GKZvj, Svazvj, tPšZvj, Sgij BZ`w | gv`v Ges Q` wtkdb Kti G_tjvtK`BfvM fvm Kiv ntqtQ | 1) mgc`x 2) wlgc`x

jq :

MxZ, ev` I bZ` GKtĀ A_ev c_wKifc wb`úbæntZ th GKw wtkl Mxi cQvRb nq, ZvtK msMxZi fvlqv j q etj |

Q` :

evbx, mj I Zvtj i cwigZ eÜb hv kēY-gtb i cñZc` c`vejx`Zwi Kti ZvtK Q` etj |

veiq : Avgiv meiv ivRv

Avatekb : 3

mgq : 90 vgvbu

gj-fve:

iki gtb mgvri cöz `vqexZv mæuZ I MYZvišK gj-tertai fve RvMZ Kti GB MvbuU| MYZvišK gtbvritei cvlPq cvlqv hvq GLvrb| ivR" kvmtbi tytI ivRv hv meivBtK mæyb w`tq Ptb tmU e`_nq br| tmU Avevi I Zvi KvQ vdti Avtm| RbZvi cöZvba Ges RbZvi mv_ AvfbægZ `Zvi i ivtoí Rtb" Kj`vYKi| RbMYtK mæyb w`tj cKZcty ivRvB mæybZ nb| cigZ minòZvi PgrKvi vb`kØ GB Mvrb cvlqv hvq|

ikLbdj :

G Avatekb tktl AskMhYKvi MY-

1. cögZ D"Pvi tY MvbuU AvevE Ki tZ cvi teb
2. gj-fve Dcj vä Ki tZ cvi teb|
3. Mvrb cKvZ, Zvj , O` ej tZ cvi teb
4. i x mji I Zvtj MvbuU MvBtZ cvi teb

DcKiY:

nvi tgvbqv, Zejv, tnvqvBU tevW, gvKf, gvievWqv cöR±i, tcv÷vi tccvi, mvBtcb|

cöviZ I tKškj :

`tj KvR, Avtj vPbv, Dc`vcb

Avatekbi veivY :

KvR-1 : cögZ D"Pvi tY AvevE

mgq : 15 vgvbu

- meivBtK i`f"Qv Rvbta Kkj veivgtqi gva`tg Avatekb iia Kiteb| cKvKiteb-MvbuU MvZKvi I mjkvi tK?

- Z_cĪ t_ġK ÒAvġiv mevB ivRvÓ MvbiU cĔZ`K AskMĥYKviġġK w`ġq w`ġeb Ges KġqKevi coġZ ej ġeb|
- ġcv÷vi tccvġi wġ ġL A_ev gviġġvMqvi gva`ġg MvbiU cĔ kĔ Ki ġeb
- cġjiv MvbiU wġR fvev_`eRvq ti ġL `B wZbevi AvevĒ Kġi tkvġġeb
- AskMĥYKviġġ`i mevBġK wġġq cġjiv MvbiU AvevĒ Ki ġeb
- 5/6 Rb AskMĥYKviġġK MvbiU AvevĒ Ki ġZ ej ġeb Ges D`PviġY mġm`v _vKġġ i`x Kġi w`ġeb

KvR-2 : Mġbi cġwZ, Zvj, Q` m`úġK`ej ġZ cviv|

mgq : 15 wġvU

- MvbiUi cġwZ. ev aiY, ÒZvj, Q` m`úġK`Avġiv Kx RvbÓ cġwZ ġcv÷vi tccvġi A_ev gviġġvMqvi gva`ġg Dc`vcb Ki ġeb
- AskMĥYKviġġ`i cġkvcvġk 3 RbġK Avġj vPbv Kġi DĒi _wġ wR wR LvZvq wġ LġZ ej ġeb
- ġj Lv tkġI KġqKRbġK Dc`vcb Ki ġZ ej ġeb
- Dc`vcb tkġI ġj-fve/Z` cġĪi Avġj vġK e`vL`v Kġi aviYv `úó Ki ġeb

KvR-3 : i`x mġj I Zvġj MvbiU MbġZ cviv|

mgq : 50 wġvU

- MvbiU tkvb Zvġj wġx I KZ ġvĪvi wK Q` Zv AskMĥYKviġġ`i nvġZ Zvġj w`ġq evġġq w`ġeb Ges mKj ġK wġġq 2/3 evi Af`vm Kivġeb|
- mġWK mġj-Zvj eRvq ti ġL m`úY`MvbiU 3 / 4 evi tMġq tkvġġeb|
- ÒAvġiv mevB ivRv-----mġb wġj e Kx `ġZġ GB cĔg `Bj vBb mevBġK Avcbvi mġġ_ MvBġZ ej ġeb|
- ÒAvġiv hv Lġk-----mġb wġj e Kx `ġZġ chġPvi j vBb Avcbvi mġġ_ MvI qvġeb|
- cYivq cĔg t_ġK Qq j vBb mevBġK wġġq Mbġeb|
- Kvġiv MbġZ A_ev mġj-Zvġj i mġm`v nġj ZvġK ev Zv`i ġK cYivq MvI qvġeb|
- ÒivRv mevġi t`b ġvb-----wġj e Kx `ġZġ GB Pvi j vBb mevBġK wġġq MvI qvġeb|
- ÒAvġiv Pj e AvcbġġZ-----wġj e Kx `ġZġ GB Pvi j vBb mevBġK wġġq MvI qvġeb|

- cŷivq m^uY⁹MvbiU cŰg t₋tK tkI ch^S(mevBtK wbtq MvBteb|
- 5/6 RbtK MvbiU MvBtZ Ges Ab^t`i i^btZ ej teb| Zvtj I m^{xi} WK bv n^{tj} WK Kti w^tteb|

gj^viqY :

mgq : 10vqibU

^B/wZb Rb AskM^hYKvi x^tK MvbiU MvBtZ ej teb|

⁻Ab^všb :

MvbiUi c^KwZ. m^utK⁹PšI Kiab Ges m^y I Zvtj i ^{en}kó^o m^utK⁹Fvety|

Z₋cĪ :

- cŰgZ D^vPri tY Ave^vĚ Mv^tbi Ab⁻Zg kZ⁹Mv^tbi fvev⁻ Ave^vĚi gta⁻ ^uó n^{tq} I tV| mnvqK AskM^hYKvi x^t`i AvM^h m^uoⁱ Rb⁻ Mv^b wbtR Ave^vĚ Ki teb Ges AskM^hYKvi x^t` I w^tqI Ave^vĚ Ki v^tteb|
- GB MvbiU^tZ ŌAv^gi v^o D^vPri Y KL^tbv ŌAv^tgvi v^o n^te bv| Ōi vR^tZŌ; Ō⁻vm^tZŌ; ŌAm^tZ⁻Ō, ŌAve^tZŌ k^ā, t^jvi gvtSi A^ytⁱ i D^vPri Y I -Kvi mn^thvtM n^te| thgb- Ōiv^tRv^tZŌ Ō⁻vm^tZŌ, ŌAt^mv^tZŌ Ges Ō Av^tvtZŌ| Ziv^u Ges Z^{wi}, ex^{av} k^ā, t^jv ej tZ P^vte^v y ^uófv^te D^vPri Y Ki tZ n^te| Ōi Ō D^vPri Y thb Ōo^o bv n^q Zv tLq^vj i vL^tZ n^te| G Mv^tb tek K^tqK Rv^qMv^q Ōi Ō Gi e⁻envi i t^qtQ|
- i ex⁻bt⁻i ^tk ch^qi Mv^b GwU|
- MvbiUi Zvj ^viv| j q ga⁻|
- ^viv Zvj : 3 + 3 = 6 gvĪv

$$\begin{array}{cccc|ccc}
 & + & & & & 0 & & & \\
 av & wa & bv & | & bv & wZ & bv & | \\
 1 & 2 & 3 & | & 4 & 5 & 6 & | \\
 \end{array}$$

veIq : cRvciZ cRvciZ

Avatekb : 4

mgq : 75 igubU

gj-fie:

KvRx bRi aj Bmjvg evsjv mvinTz`i Ab`Zg tkØ Kue| nvg&-bvZ, MRj, KxZØ, k`vgvmsMxZ t_+K iia Kfi bvbv gvIvi bvbv cKvfi i Mvb wZvb iPbv Kfi+Qb| evsjv Mvbi fvUvi Zvu K_v I mxi mgx| wki+ i Dc+hvMx Mvb iPbvqI wZvb Abe`| ØcRvciZ cRvciZØ, Øtgrtgi cZj tgrvxi t`+ki tqtqØ, Øjvj UKUzK eD hvq tMvØ, ØiKfbv cvZvi bgyj cvtqØ G iKg AfbK Mvb wki+iv Avb+`i mv+_ Mvq| Kue wki+gtbi AbfviZi K_v e`3 Kfi+Qb G MvbUvi gva`tg| Kue gb GKwU mvavi Y wRvbm+K Avmvavi Yifc t`L+Z cvti | ZvB cRvciZtK wbtq GZ PgrKvi GKwU iPbv m+e|

cRvciZ bvbv iKtgi | Kv+iv cvLvi is UKUzK jvj ev bxj, Kv+iv Mvq tmvbjx, ifcvjx civM gvLv| cRvciZ eÜbnxbfvte etb etb dzj dzj gaytL+q Dto teovq| wki+gb cRvciZi eÜyntq Dto teovtZ Pivq| cvVkvj vtZ fij jvtM bv| cRvciZi mv+_ gy fivte Nxi teovtZ wki+gb AvMhx| Kuei wki+gb Pivq cRvciZ thgb tbtP tbtP Avb> cvq Zvi gtZv Avb> tctZ Avi bvbv i+xi Qve AvKvi Rvgr ci+Z|

wkLbdj :

G Avatekb tk+I AskMhYKvi mY-

1. c+gZ D`Pvi +Y MvbU Ave+e Ki+Z cvi+eb
2. gj-fie Dcj wä Ki+Z cvi+eb|
3. Mvbi cKwZ, Zvj, Ø` m+ú+K+ej +Z cvi+eb
4. i x mxi I Zvtj MvbU MvB+Z cvi+eb|

c+vZ I tKsj :

tRvovq KvR, GKK KvR, `j xq KvR, Avtj vPbv I Dc`vcb|

DcKiY :

Mvbi Kwc, nvi+gmbqvg, Zejv, Mvbi Kwc, tnvqvBU tevW, tnvqvBU tevW+gvrKf, tcv+vi tccvi, mvBb+cb|

Avatektbi veiy :

KvR-1 : c+gZ D`Pvi +Y Ave+e

mgq : 15 igubU|

- AskMhYKvi+`i mv+_ i+`Qv I Kkj wvbgg Ki+eb

- ÒMvbiUi MxwZKvi I mÿKvi tK?Ó wRtÁm Kiþeb| bv Rvbtj ejtj w`þeb
- cØZ`K AskMhYKvi xt`K Mvtbi 1wU Kti Kwc mieivn Kiþeb Ges 2/3evi gþvthvM w`þq cotZ ejþeb
- 5/6RbtK MvbiU GKKfvte mvgþb Gtm AveuÈ KiþZ ejþeb
- cØgZ D`PviþY 2/3evi fvev_`eRvq tiþL AZ`ŠlmnRfvte MvbiU AveuÈ Kiþeb
- AskMhYKvi xt` i mevBtK wbtq 2/1evi e,` AveuÈ Kiþeb
- D`PviþY Ges eStZ Kvþiv Amgeav ntj Zv wWK Kti w`þeb|

KvR-2 : Mvtbi cØwZ, Zvj, O` m`uþK`ejþZ cviv

mgq : 15 wvbu|

- MvbiUi cØwZ, ØZvj, O` m`uþK`Kvb avi Yv AvtQ Kx?Ó- cØw mevi Df`þk` Kiþeb
- þRvoiq Avtj vPbv Kti DEi w`þZ ejþeb
- DEi , tjv tevtW`vj Lþeb Ges Z_`ctÎi Avtj vtK Zvtj i gvÎv, mg, dvki Gi wPy tevtW`vj þL w`þeb I nvþZ Zvuj w`þq Zvj, O` evStq w`þeb
- cØqvRþb Zejv emvRtq Zvj evStq w`þeb

KvR-3 : i x mÿj I Zvtj MvbiU MbþZ cviv

mgq : 40 wvbu|

- AskMhYKvi xt` i KqRb MvbiU Rvþb Zvt` i nvZ ZþþZ Ges mvgþb Gtm MbþZ ejþeb
- Avciwb cÿjv MvbiU nvi þgvmbqvg I Zejv mnþhvþM i x mÿj I Zvtj 3/4 evi tMtq tkvbþeb
- ØcRvciwZ cRvciwZ-----AvKiv-evKivÓ G chŠl cØþg 2/3 evi MvI qvi ci mevBtK wbtq GB AskUkzcyiq Mbþeb
- Gfvte ØZwq-----ci vM gvLvÓ, Øþgvi gb -----þZvgvi mvþ_Ó, ØZwq nvl qvq-----
-----Qwe AvKivÓ GB Ask , tjv chþqµþg c`þg wbtR Mbþeb cti AskMhYKvi xt` i w`þq MvI qvþeb
- cÿjvq m`uþY`MvbiU mevBtK wbtq Avi I GKevi Mbþeb
- AskMhYKvi xt` i PviwU `þj fvM Kiþeb

- 1g `j cŭg wZb PiY, 2q `j tK ctii wZb PiY Gfvte 3q I 4_`j tK w tq ctii PiY, tj v chŭqμtg MvI qvteb
- Kviv mji Ges Zvj Amvav _vKtj Zv i x Kti w teb
- cŭZ `j t_ tK 1Rb Kti tWtK MvbiU MvBtZ ej teb
- Avevi mevBtK wbtq GKm½ tMtq KvRiU tkI Ki teb|

gj`vqb-

mgq : 5 vgvbU|

2/1Rb tK tWtK MvbiU MvBtZ ej teb|

^Abvšb :

MvbiUi cKwZ. mŭtK PŠi Ki ab Ges mij I Zvj i `ewkó" mŭtK Fvety|

Z_cĪ :

- MvbiUi K_v t KvRx bRi aj Bmj vg Ges mij t Kgj `vm, B|
- ŌcRvcwZŌ, ŌgbŌ, ŌebŌ GB D"Pvi Y, tj v nte ŌtcŌRvtcwZ, tgvb, tevbŌ - G i Kg| Ōi ŌxbŌ D"Pvi Y Ōi ½xbŌ nte bv|
- AvKiv, evKiv kã, tj v D"Pvi tYi tjtĪ P>`te>`j D"Pvi Y wK ntZ nte|
- Kiviev Zvj : 4 + 4 = 8 gvĪv

+				0					
av	tM	tZ	tU		bv	tM	wa	bv	
1	2	3	4		5	6	7	8	

**welq : msMxZ wkyv`vb cxiZ I tKSkj Ges wbaWi Z Mbmgfni Zij mxiTK©
Rvbw**

Awatekb : 5

mgq : 2 Nbu 5 wvbu

gj-fie:

msMxZ GKwU mKqvi wkíPPf welq| wKŠ' GuU mxiTKfite eAvwbK wfiEi I ci cxiZ| msMxZtK
wbw`w wqfgi wfzi w`tq Pj tZ nq | GB wqg, tjv msMxZkvt`; wae|x | G Kvi tY DEgi f c msMxZ
wkyv`w tZ ntj msMxZ wkyv`vbi mwK cxiZ I tKSkj Rvbw `iKvi | msMxZ wkv ms`wzi
Avek`Kxq Dcv`vb | bvbv Dcv`vb Ges AjsKvti msMxZ mgx | Gi gta` ^, kxiZ, Zij, j q, fie,
im t`tK iiaKti Avil AfbK welq itqtQ | msMxZi G mKj welq grajh` mvt_ meri Kv tQ Ztj
aivi Rb` GKw`tK msMxZ mvaKiv AKvšl cwik`g KitQb, tmBmvt_ wAvbm`Z Dcvtq cix`v-
wbix`vi ci ipbv KitQb msMxZi BwZnm Ges msMxZi e`vKiY | mwKfvte GB wkyvi cxiZ
gvbeRxebtK cwí kxiZ Z Kti |

wLbdj :

G Awatekb tktl AskMhYKvi xMY-

- 1 | msMxZ wkyv`vb cxiZ I tKSkj e`vL`v KitZ cvi`eb
- 2 | wbaWi Z Mv, tjvi Zij mxiTK`Rvteb I cxiZ KitZ cvi`eb

DcKiY :

Zejev, nvi tgvbqvg, tcv`vi tccvi, gvKf, tnqvBU tevW, gvi`wvq, mvBbtcb |

cxiZ I tKSkj :

`j xq KivR, tRvovq KivR, Dc`vcb |

KivR-1 : msMxZ wkyv`vb cxiZ I tKSkj e`vL`v KitZ cvi`v

mgq : 1 Nbu 30 wvbu

- AskMhYKvi x`i mvt_ i`f`Qv I Kkj wvbgq Ki`eb |
- OmMxZ wkyv`vb cxiZ I tKSkj KivR?0 cxiZ gvi`wvq ev tcv`vi tccvti Dc`vcb Ki`eb

- AskMhYKvixt`i mbKU t`tk c0B DEi ,tjv tnvqvBU tevW@j Lteb I Avtj vPbv Ki teb
- Z` cT`i Avtj vtK mi Mg ,tjv tevW@j Lteb Ges nvi tgvbqvg emRtq MvBteb
- `f `Btki mvt_ cwiPq ceR tKvgj , Kwmn 12uU `fi i `vb I Mvl qvi tKSkj tMtq ukwLtg w`teb
- 0Zej vi Zvj mnthvM `fuj uc ,uj Abkxj b Kiv Avek`K0- G K_wU mevBtk ej teb
- AskMhYKvixt`i tk 5uU `tj fVM Kti c0Z`K `j tk chqμtg Avcbvi KvQ tWtk Avcbvi mvt_ `fuj uc Abkxj b Kivteb
- c0Z `BRb Kti tWtk nvi tgvbqvgtgi mji i mvt_ `fuj uci Abkxj b Kivteb A_ev tKvb cvim AskMhYKvixtK w`tg Abkxj tbi KvRUU Kivteb
- th MvbuU tkLvtrv nte tmU i evbx AveuE Kivteb, cKwZ, Q>` , Zvj m`utK`e`vL`v Kiteb, GKU Mvubi mvariYZ PviuU Ask_vtk Zv e`vL`v Kiteb
- Avkvi gvW`K `fuj uci msuyB e`vL`v Kiteb
- tkvb AskMhYKvixi cKvKtj tmU mbtg Avtj vPbv Ki teb Ges KvRUU tkI Kiteb|

KvR-2: mba@i Z Mvb ,tj vi Zvj m`utK`Ruv I c0qM Ki tZ cviv mgq : 25 ugubU

- AskMhYKvixt`i 5uU `tj fVM Kiteb Ges c0Z`K `j tk 13uU Mvubi K_v w`tg w`teb mvt_ tcv÷vi tccvi , mvBbtcb mieivn Kiteb
- `jq Avtj vPbvi wfueZ tKvb Mvubi tKvb Zvj Zv mba@Y Kti tcv÷vi tcciti chqμtg Dc`vcb Ki tZ ej teb
- Dc`vcb tkfI mba@i Z Zvj ,tjv tKvb cvim AskMhYKvixtK w`tg A_ev mbtR mWk gvT`v I Q>` mnKvti emRtq tkvrtb
- Z` cT`i Avtj vtK gvengwqvi gva`tg c0k0 Kti Zvj ,tj vi aviYv Avtiv `u0 Kiteb
- 0Avgiv mevB ivRv0 MvbuU mbtR A_ev AskMhYKvixt`i GKrbtk Gm MvBtZ ej teb Ges Ab` Avi GKrbtk evRvZ ej teb
- GB Mvub Kx Zvj e`envi ntqtQ Zv ej tZ ej teb
- mevi mvt_ g3 Avtj vPbvi gva`tg Avatekb tkI Kiteb|

gj`vqb : mgq : 10 ugubU

1. 2/3 Rbtk tWtk `f `Btki `f ,tjv emRtq MvBtq t`LvZ ej teb|
2. Mvb ,tj vtZ KquU Zvtj i e`envi ntqtQ?

Abšb:

Mvbi cKwZ. m^utK^oŠí Kiab Ges mj I Ztj i ^oenkó m^utK^oFvety|

Z_cĪ :

- mslMxZi tgvU 12uU ^ofi i gta^o 7uU i^x ^oĭ I 5uU weKZ. ^oĭ | mv I cv Qrov evnk 5uU ^oĭ weKZ | 7uU i^x ^ofi i msrÿß bvg mv, ti, Mv, gv, cv, av, vb | mv t^oĭK vb chŠíGB 7uU i^x ^oĭĭK GK K_vq mBK etj | mBK 3 cĭvi | thgb- D`viv, gÿviv I Zviv|

5uU weKZ. ^oĭ ntj v- ti =F, Mv=Áv, gv=ÿv, av=`v, vb= Yv | 5uU weKZ. ^oĭ i gta^o 4uU ^oĭĭK (F, Áv, `v, Yv) tKvgj ^oĭ ej v nq Ges evnk 1uU ^oĭ ðgvĭĭK (Fv) Kwo ev Zxe^a ga`g ej v nq|

- AvĭivnY I AeĭivnYt
^ofi i μgvŠtq D^x MvZi bvg ōAvĭivnYŌ | thgb- mv ti Mv gv cv av vb mĭĭ vb^o MvZi bvg ōAeĭivnbŌ | thgb- mĭvb av cv gv Mv ti mv

Avĭivnb- mv ti Mv gv cv av vb mĭĭ

Aeĭivnb- mĭvb av cv gv Mv ti mv|

- m̂vavi YZt GKwU Mv̂tbi PviwU Ask_v̂K| h_v̂v̂v̂q, Aš̂l̂iv, m̂Avix Ges Av̂fv̂M|
- v̂v̂qxt Mv̂tbi cŭg v̂EK̂K̂K̂ A_v̂v̂q ev v̂v̂q ejv nq| ŵv̂Z Â_©A_v̂v̂q Â_¢ D™e n̂t̂q̂Q| Mvb Av̂jvc, Mr ĉf̂ŵZi Av̂iv̂ĉ v̂v̂q̂Z| v̂v̂xi v̂t̂ v̂eb̂v̂m gj-Z ĝyv̂iv I D̂v̂iv m̂B̂Ki ĝt̂a nq|
- Aš̂l̂iv̂t Mv̂tbi ŵẐxq v̂EK̂K̂ Aš̂l̂iv ejv nq|
- m̂Av̂v̂q t Mv̂tbi ZẐxq v̂EK̂K̂ m̂Av̂v̂q ejv nq| Aš̂l̂iv I Av̂fv̂t̂Mi ĝt̂a m̂Av̂i Y K̂ti et̂j Mv̂tbi GB Ât̂ki b̂vg m̂Av̂ix t̂ I qv n̂t̂q̂Q|
- Av̂fv̂M t m̂Av̂ixi ci Aš̂l̂ivi gZ m̂ĵi th v̂EK̂ Mv̂I qv nq t̂m̂UB Av̂fv̂M| m̂vavi YZ GwU Mv̂tbi PẐẑEK̂|
- t̂R̂v̂ov m̂v̂t̂K̂vi ŵeL̂v̂Z V̂v̂K̂ẑ ĉŵi ev̂t̂i i t̂R̂v̂ŵẐŵi > b̂v_ V̂v̂K̂ẑ ŵêt̂ k̂x I t̂v̂k̂ ŵêv̂f̂b̂e v̂t̂ŵĵ v̂ĉ cĥt̂ĵ v̂P̂bv K̂ti Av̂i GK âît̂Yi v̂t̂ŵĵ v̂ĉ Av̂ŵêv̂i K̂t̂ib| GB v̂t̂ŵĵ v̂ĉ ĉx̂ŵẐi b̂vĝKi Y K̂t̂ib Av̂K̂vi ĝŵv̂t̂K̂ v̂t̂ŵĵ v̂ĉ ĉŭv̂Ẑ b̂v̂t̂g| ev̂ŝĵv mŝM̂x̂Ẑ GB ĉx̂ŵẐŵi ŵêt̂k̂I R̂b̂ŵĉq̂Ẑv̂ ĵv̂f̂ K̂t̂i t̂Q|
- Av̂K̂vi ĝŵv̂t̂K̂ v̂t̂ŵĵ v̂ĉ- GB ĉx̂ŵẐẐ i x̂ v̂t̂, t̂ĵ v̂t̂K̂ m̂, i, M̂, g, c, a, b Ges ŵêK̂Z. v̂t̂, t̂ĵ v̂t̂K̂ F, Ā, v̂, Y Ges b̂ t̂ĵ Lv nq| GKwU v̂t̂ GK̂ĝv̂t̂v̂ ŵêŵk̂o n̂t̂ĵ v̂t̂i ŵv̂b ĉv̂t̂k̂ Av̂K̂vi ŵP̂ŷ ŵt̂Z nq| thgb̂ m̂v| GK̂ ĝv̂t̂v̂q GK̂ŵŵK̂ v̂t̂ v̂K̂t̂ĵ v̂t̂, t̂ĵ v̂t̂K̂ GK̂t̂t̂ ŵĵ t̂L̂ t̂k̂t̂I i v̂t̂i Av̂K̂vi tĥv̂M̂ Kît̂Z nq| thgb, m̂i M̂v| Aâĝv̂t̂v̂i ŵP̂ŷ ōt̂Ō| v̂v̂k̂v̂t̂ tev̂Ŝv̂t̂Z t̂Q̂iU K̂ti gj- v̂t̂i i l̂ĉt̂i t̂ĵ Lv nq| t̂K̂iv v̂t̂i i ĉt̂ŷiv̂v̂v̂Ê tev̂Ŝv̂t̂Z ŵẐxq êÜ̂b̂x êenv̂i K̂iv nq| ŵK̂š̂ ĉt̂ŷiv̂v̂v̂Êi m̂gq ŵẐxq êÜ̂b̂xi t̂f̂Ẑi t̂K̂iv Ask̂ ev̂ v̂t̂Ẑ n̂t̂ĵ Ẑv̂ cŭg êÜ̂b̂xi t̂f̂Ẑi t̂ĵ Lv nq| thgb, {m̂v̂ iv̂ (M̂v̂ gv̂) iv̂ cv̂}| GKwU v̂t̂ GK̂ŵŵK̂ ĝv̂t̂v̂ v̂x̂N̂n̂t̂ĵ Ges ĝv̂t̂v̂ mŝL̂v̂q ĥŵ M̂v̂t̂bi Âŷi b̂v_v̂t̂K̂ Ẑv̂t̂ĵ cŭg Âŷi ŵĵ t̂L̂ v̂t̂ŵ hẐ ĝv̂t̂v̂ v̂x̂N̂n̂t̂e v̂t̂i i ŵv̂b̂v̂t̂K̂ ZẐ, t̂ĵv̂ Av̂K̂vi ŵP̂ŷ Ges M̂v̂t̂bi Âŷt̂i i ŵv̂b̂v̂t̂K̂ ZẐ, t̂ĵv̂ k̂Ŷ em̂t̂e| Ẑv̂t̂ĵ i ŵêfv̂M̂ v̂ŵo ŵt̂q̂ tev̂Ŝv̂t̂bv̂ nq| M̂v̂t̂b̂ ĉŪ̂ẐK̂ ĵv̂B̂b̂ Av̂îv̂ĉ I t̂k̂t̂I v̂t̂ĵ K̂ti v̂ŵo t̂ I qv nq|

$$\square \text{ `r`iv Zvj : } 3 + 3 = 6 \text{ gv}\hat{I}v, \text{ gv}\hat{I}v \text{ nefvM } 3 | 3 |$$

				0			
av	wa	bv		bv	wZ	bv	
1	2	3		4	5	6	

$$\square \text{ Kunvi\&v Zvj : } 8 \text{ gv}\hat{I}v, \text{ gv}\hat{I}v \text{ nefvM } 4 | 4 |$$

				0				
av	†M	†Z	†U	bv	†M	wa	bv	
1	2	3	4		5	6	7	8

$$\square \text{ GK Zvj : } 12 \text{ gv}\hat{I}v | \text{ gv}\hat{I}v \text{ nefvM } 3 | 3 | 3 |$$

				3		0				1				
wab	wab	av	av†M	_by	bv	Kr	†Z	av†M	†Zi†K†U	wab	av			
1	2	3		4	5	6		7	8	9		10	11	12

$$\square \text{ †Zl ov Zvj : } 7 \text{ gv}\hat{I}v | \text{ gv}\hat{I}v \text{ nefvM } 3 | 2 | 2 |$$

				2		3
av	wa	bv		wa	bv	
1	2	3		4	5	6

veI q : vek' mslhZ

Avatekb : 6

mgq : 60 vgvBU

gj-fie:

iki gb tKvj Ges mxi i cÖZ mste` bkj | mj iki gb tK thgb AvKI® Kti, tZgvb ZvtK cÖvmeZ Kti | vek' iki i gvtS GKU BstiR fvlvi Mvb cÖvj Z | tmB MvbiU evsjv ntv- Avgiv Kie Rq | gj-Z AvdKvb mxZ`vmt`i gL i cÖvj Z GKU MvbtK ikix ucU mmvi bZb Kti KtáúvR Ktib | GB MvbiU me iki i GKvZ ntvZ D×z Kti-Zv i aybtRi t`tkB bq- mgMöc`exi iki i mvt` |

GB MvbiU iki i mbyMvi K I ms`wZgb` vek' mvi K intmte Mto ZvtZ mnvqZv Kite | c`exi me iki ivB GK Ñ GB gvbmKZv mxi gva`tg vek' q'bi GB hM mgMöc`exi vtb Zviv vek' j` gtb Kite Ges Zviv GKt` mg`I evav-vecuE AvZµg Kivi tPón Kite | GB Mvb Zvt`i gb tK mtpZb Kti Zvt`e Ges Zviv Avi GKv bq, ZvB Zviv Avi tKvb KQzKB fq cvq bv | Zvt`i `β gtbvej Zviv me KQzK Rq KiteB | “We shall overcome” gj- vek' mslhZi evsjv Abgv` GB MvbiU | gj- Mvtbi mxi GB MvbiU MxZ nq |

ikLbdj :

- G Avatekb tktI AskMöYKvi xMY-
- 1. cÖgZ D`Pvi tY MvbiU AveuE Kitz cvi teb |
- 2. gj-fie Dcj vä Kitz cvi teb |
- 3. Mvtbi cKwZ, Zvj, O` m`útk`ej tZ cvi teb |
- 4. ix mxi I Zvtj MvbiU MvbtZ cvi teb |

DcKiY :

nvi tgvbqv, Zejv, Mvtbi Kuc, gvövgvMqv, tcv÷vi tccvi, mvBb tcb, tnvqvBU tevW© tnvqvBU tevW©gvKf |

cxiZ I tkšj :

`j xq KvR, GKK KvR, Dc`vcb, cvi tekB |

Avatektbi veiy :

KvR-1: c0Z D'Pvi tY AvejE

mgq : 10 igubU/

- AskMhYKvi x`i mvt_ i tF"Qv I Kkj uebgq Ki teb
- c0Z`K AskMhYKvi x`K Mvtbi K_v mieivn Ki teb
- c0Z`K tK gtbvthvM w` t q 2/3 igubU MvbuU cotZ ej teb
- i x` D'Pvi tY 2/3evi MvbuU AvejE Kti tkvrbteb I gg@_e`Stq w` teb
- mevB tK wbtq 1evi AvejE Ki teb/

KvR-2: Mvtbi cKwZ, Zvj, Q` m`u tK@ej tZ cviv

mgq : 10 igubU/

- Z_`c tI i Avtj vtK Mvtbi cKwZ.ev ai Y AZ`SlmnR fvlvq e`vL`v Ki teb
- tevj ev Zvj tevW@vj tL w` teb Ges nvZ Zwj w` t q gvI`v, Q` Gme evStq w` teb
- c0Z`K tK Avcbvi mvt_ Zvtj Zvtj nvZ Zwj w` t q MvbuU i Q` , mg, dvki evStq w` teb
- Zej vi Zvj wU emR t q i` bvtteb/

KvR-3 : i x` m`ji I Zvtj Mb Mb tZ cviv

mgq : 40 igubU

- Mvtbi gg@_e`vL`v Ki teb
- 2/1Rb AskMhYKvi x`K MvbuU MvBeri Rb` Avnevb Ki teb
- m`u Y@MvbuU mWk m`ji K t q Kevi tM t q tkvrbteb
- AskMhYKvi x` i tK wbtq MvbuU 2/3evi Mb tteb
- AskMhYKvi x` i wZbuU `tj fvm Ki teb Ges c0Z`K `j tK Abkxj tbi Rb` mgq wbafl Y Kti w` teb
- `j xq KvR wKgz n t`Q wK bv Zv t`Lvi Rb` c0Z`K `tj hvteb c0qvR t b mnvqZv w` teb
- c0Z`K `j tK `j xq KvR t k t l MvbuU cwi t ekb Ki t Z ej teb
- c0Z`K `j t_ tK GKrb Kti G t m MvbuU Mb t Z ej teb

- *cvi M GKRb AskMhYKvi xK mvgtb tWtK nvi tgnbqvg emRtq mevBtK wbtq MvbwU MvBtZ ej teb*
- *Kvfv tKv_vl Amvav_vKtj wK Kti w`teb|*

gj`vqb :

2/1RbtK tWtK MvbwU MvBtZ ej teb|

^Abvšb :

MvbwUi cKwZ.m`utK`Pšl Kiab Ges my I Zvtj i `ewkó` m`utK`Fvety|

Z_cĭ :

- GwU nekhn½xZ wntmte cwi wPZ| c_w_exi wefbaefvl vq MvbwU Mvl qv nq| GB MvBtZ gj`tpZbv tMvUv c_w_ex th GKwU cwi evti i Ask ZvB GB MvBtZ gva`tg cKvk tctqtQ*
- R, i-Gi D`Pvi tYi tytĭ hZvnb ntZ nte|*
- Kvfv ev Zvj : 4 + 4 = 8 gvĭv*

$$\begin{array}{cccc|cccc}
 & + & & & & 0 & & & & \\
 av & tM & tZ & tU & | & bv & tM & wa & bv & | \\
 1 & 2 & 3 & 4 & | & 5 & 6 & 7 & 8 & |
 \end{array}$$

veiq : veq dj kvcj v dj

Avatekb : 7

mgq : 60 vgvbu

gj-fie:

QovMvb tQvU tQvU tQvj tqtqt`i AwZ mnRB AvKI⁹ Kti | mnR mij K_v I mji i¹PZ, ZvB
uk⁹v_¹ L⁹ ZvovZvmo Qov Mvb ukL¹Z I AvqZ; Ki¹Z cvi¹| GB QovMvbU¹Z Avgt¹ i gvZfvlv,
RvZxq cZvKv, RvZxq dj, dj, gvQ I cii K_v ejv ntqtQ | tm w¹K t¹K GB MvbU¹K GKU
t¹kvZ#evaK MvbI ejv P¹j | uk⁹v_¹ GB MvbU¹i gva¹tg Avgt¹ i fvlv RvZxq cZvKv, RvZxq dj,
dj, gvQ I cii K_v Rvb¹Z cvi¹te |

ukLbdj :

G Avatekb tk¹I AskM¹bKvi xMb-

1. c¹gZ D¹Pvi¹tY MvbU¹ Ave¹E Ki¹Z cvi¹teb
2. gj-fie Dcj w¹a Ki¹Z cvi¹teb |
3. M¹tbi c¹KwZ, Zvj, O¹ ej¹tZ cvi¹teb
4. i x mji I Zvtj MvbU¹ MvB¹Z cvi¹teb

DcKiY:

nvi tgvmbqvg, Zejv, tnqvBU tevW⁹gvK¹, gv¹ev¹gvWqv c¹R¹i, tcv¹vi tccvi, mvB¹tcb |

c¹WZ I tK¹kj :

`tj KvR, Av¹tj vPbv, Dc¹vcb

Avatektbi veeiY :

KvR-1 : c¹gZ D¹Pvi¹tY Ave¹E

mgq : 10 vgvbu

- mevB¹K i¹f¹Qv Rvb¹tq Kkj vevgtqi gva¹tg Avatekb i i¹a Kiteb | c¹k¹Kiteb-MvbU¹i
M¹WZKvi I m¹jKvi tK?

- Z_cĭ t_tK òncđ dĵ kvcjv dĵó MvbiU cĔZ_K AskMĥYKviĵtK w`tq w`teb Ges KtqKevi coĵZ ej teb|
- tcv÷vi tccĭti wĵ tL A_ev gviĕngwqvi gva`tg MvbiU cĔ kĔ Ki teb
- cĵi v MvbiU wĵR fvev_ eRvq ti tL `B wZbevi Avejĕ Kti tkvıteb
- AskMĥYKviĵt`i mevBtK wĵtq cĵi v MvbiU Avejĕ Ki teb
- 5/6 Rb AskMĥYKviĵtK MvbiU Avejĕ Ki tZ ej teb Ges D`Pvi tY mgm`v _vKtj i x Kti w`teb

KvR-2 : Mĵbi cĕwZ, Zvj, Q` m`uĵtK eĵ tZ cviv

mgq : 10 wĵvU

- MvbiUi cĕwZ. ev aiY, òZvj, Q` m`uĵtK eĵ tZ Avgiv Kx Rvbó cĕw tcv÷vi tccĭti A_ev gviĕngwqvi gva`tg Dc`vcb Ki teb
- AskMĥYKviĵt`i cıkvımk 3 RbtK Avtj vPbv Kti Dĕi_wĵ wR wR LvZvq wĵ LtZ ej teb
- tĵ Lv tkĭl KtqKRbtK Dc`vcb Ki tZ ej teb
- Dc`vcb tkĭl gj-fve/Z_cĭĭi Avtj vK e`vL`v Kti avi Yv`úó Ki teb

KvR-3 : i x mĵi l Ztj MvbiU MvBtZ cviv

mgq : 35 wĵvU

- MvbiU tkvb Ztj wĵx l KZ gvĭvi wK Q` Zv AskMĥYKviĵt`i nv tZ Zwĵ w`tq evStq w`teb Ges mKj tK wĵtq 2/3 evi Af`vm Kivteb|
- mwK mj-Zvj eRvq ti tL m`uĵtK MvbiU 3 / 4 evi tM tq tkvıteb|
- òncđ dĵ kvcjv dĵ ---- gv tqi K_vı wĵó ti kÓ GB cĔg Pvi j vBb mevBtK Avcbvi mĵ_ MvBtZ ej teb|
- òncđ cvıL t`vtqj cvıL ----- tFvj vq hZ `tL tKkÓ chŚfQq j vBb Avcbvi mĵ_ Mvı qvteb|
- cYivq cĔg t_tK `k j vBb mevBtK wĵtq MvBteb|
- Kvıiv MvBtZ A_ev mj-Ztj i mgm`v ntj Zv tK ev Zv t`i tK cYivq Mvı qvteb|
- òncđ b`x cĔv b`x ----- iĵci thb tbBtKv tkıÓ GB Qq j vBb mevBtK wĵtq Mvı qvteb|
- cYivq m`uĵtK MvbiU cĔg t_tK tkı chŚf mevBtK wĵtq MvBteb|

- 5/6 Rb̄tK Mvb̄u Mv̄tZ Ges Ab̄t`i i b̄tZ ej̄teb| Zv̄tj I m̄ji w̄K bv̄ n̄tj w̄K K̄ti w̄teb|

gj̄v̄qY :

mgq : 5v̄gubU

̀B/wZb Rb AskM̄h̄YKvi x̄tK Mvb̄u Mv̄tZ ej̄teb|

ˆ^Ab̄ȳšb :

Mvb̄uLi c̄KwZ. m̄útk̄P̄š̄i Ki ab Ges m̄j I Zv̄tj i ˆewkó" m̄útk̄F̄v̄e|

Z_c̄t̄

- c̄gZ D"Pri t̄Y AvēĚ Mv̄tbi Ab̄Zg kZ, Mv̄tbi f̄v̄e_ AvēĚi ḡta" ˆúo n̄tq I t̄V| m̄vqK AskM̄h̄YKvi x̄t`i Av̄M̄h̄ m̄joi Rb̄" Mv̄b w̄tR AvēĚ Kīteb Ges AskM̄h̄YKvi x̄t`i w̄tqI AvēĚ Kīv̄teb|
- GB Mv̄tb d̄z, dj D"Pri t̄Y ōdō ej̄ t̄Z `w̄ t̄Vw̄ w̄ḡj v̄tZ n̄te| Dcti i ˆv̄Z w̄tq w̄tPi t̄Vw̄ Ōt̄j D"Pri Y f̄j n̄te| K̄w̄j, ewk k̄ā, t̄j v̄ ej̄ t̄Z P̄`le>`ȳ úof̄īte D"Pri Y Kīt̄Z n̄te| Ōc̄ūv̄ k̄āw̄t̄Z g-dj v̄_v̄K̄t̄j I ōgō D"Pr̄wi Z n̄te bv̄| Ōt̄i k̄ō, Ōt̄Kk̄ō, Ōt̄Kl̄ō BZ"v̄w̄ k̄t̄ā G-Kvi D"Pri Y ŌG"v̄ō n̄te bv̄|
- Mvb̄uLi Zij K̄v̄v̄i ev̄|
- K̄v̄v̄i ev̄ Zij t 4 + 4 = 8 gv̄Ĭv̄

+									0
av	t̄M	t̄Z	t̄U		bv	t̄M	w̄a	bv	
1	2	3	4		5	6	7	8	

**uelq : iki i gubumK, kvi xii K I bvd`vbK ueKvfk msMxtZi , iaZ; msMxtZi
gva`tg iki iv Kxfvte tkfL**

Avatekb : 8

mgq : 2 Nbu 15 ugubu

gj-fie:

msMxZ gube Rxeabi mvf_ I Zfc0Zfvte RuoZ| %kke t_fK gubfji ueKvfk msMxtZi fvgKv
Acwi mxg| msMxZ PPP gva`tg ukv`v`i teSuxK, Ki bvkiv³gj-K Ges cKvkgj-K , Yvej xi ueKvk
NfU| mB c0Zfv ueKvfk gva`tg mveR gubumK , Yvej xi ueKvfk msMxtZi BwZevPK Ae`vabi K_v
me t`fKB `fKZ| msMxZ ukv`v`i eix`eEi ueKvfkI mnvqK| gubumK myZv kixi fK my` ivLvi Rb`
AZ`vek`K| ZvB my` kixi MVfb msMxtZi fvgKvfk LvUv Kfi t`Lvi AeKvk bvb| mteCwi msMxZ
ukv`v`i gubvfk mRbkxj Kfi tZvj| GB mRbkxi gtbvive Rxeabi th tKvb mgm`v mgvavb
BwZevPK cfve ivfL| %kwi K tPZbv eix` Kfi Ges RxeabK my`i Kfi tZvj vi AvMh eix` Kfi |

DbZ mKj t`fKB msMxZ c0`vgK tkYxi cV`v`gi Ask untmte `vb tctqfQ| KviY msMxtZi
gva`tg ukv`v`i i KvQ cV`uel q AvKI Bxq Ges mnRteva` Kfi tZvj v hvq|

iki i ueKvfk msMxtZi GB Ae`vb m`v`fK^o-`Q avi Yv `vKv Ges iki fK ukv`v`i vb Gi mdj c0qvM
fKSkj GKRb tkv`v`i Kfi Rvbv AZ`S`Ri`x|

ukLbdj :

G Avatekb tkfL AskMhYKvi xMY-

1. iki i gubumK, kvi xii K I bvd`vbK ueKvfk msMxtZi c0qvRbxqZv ej fZ cvi`teb|
2. msMxtZi gva`tg iki i ukLb fKSkj c0qvM Kfi t`LvZ cvi`teb|

DcKiY :

fcv`vi tccvi, mivBb tcb, Z_`cT, gvnevguMqv

c`vZ I fKSkj :

teb ÷ vq^o, `j xq Avfj vPbv, c0k`Ei, Dc`vcb|

Avatekabi ueeiY :

mgq : 60 ugubu

KvR-1 : iki i gubumK, kvi xii K I bvd`vbK ueKvfk msMxtZi c0qvRbxqZv ej fZ cvi`t-

- cġkġYv_ġ`i mvt_ Kkj I iif"Qv weibgq Kiab Ges wkLbdj `w m^utK^eAewZ Kti Awatektbi KvR iiaKi^eb|
- cġkġYv_ġ`i wZbU `tj wef³ Kti w b| wZbU `j tK wki i gvbumK, kvixi K I bv`wbK GB wZb wełtq mSMtZi cġqvRbxqZv wbtq teb ÷ wġ^e Gi Rb` Ges cri `úwi K Avtj vPbvi Rb` `B wġubU mgq w b Ges Kg^etĪ wj LtZ ej teb|
- cġZU `j t_ tK GKRb tK DEi tgšwLKfi^e Dc `vcb Ki tZ ej teb|
- cġqvRtb Avcbvi wbr `gZvG msthvRb Kti Avtj vPbvi mgvB Ki^eb|

KvR-2 : mSMtZi gva`tg wki i wkLb tKŠkj cġqM Kti t`LvtZ cvi^eb mgq : 60 wġubU

- cġkġYv_ġ`i tQvU tQvU `tj wef³ Ki^eb Ges mSMtZi gva`tg wki i wkLb tKŠkj cġqM wełtq `j xq Avtj vPbvi Ki tZ ej teb|
- cġZ `j t_ tK `ePqtbi (i`vbWg wmtj Kkb) gva`tg GK A_ev `BRtbi KvQ D`vni Ymn wkLb tKŠkj cġqM m^utK^e3e` ivLtZ ej b|
- cġkġYv_ġ`i mvt_ cġwAvtj vPbvi gva`tg G wełtq avi Yv `úó Kti w`teb|
- Z_`cġtĪ Dwj wLZ wełq_ t^j v gvni^ewġwqvtZ cġk^e Kti Awatekb tkl Kiab|

g^j`wqY : mgq : 15 wġubU

1. wki i bv`wbK weKvtk mSMtZi cġqvRbxqZv Kx?

`^Abi^ešb :

wki i weKvtk mSMtZi , iaz; wbtq wPšv Kiab Ges Ges mSMtZi gva`tg wki tK wkyv`vtbi wewfbae Dcvq wbtq firely|

Z_cī :

- *iki i gvbumK, kvi xii K I bvi`ubK G wZb ai tYi weKv tk msMx tZi Ae`vb i tqtQ | thgb*
- ✓ *msMxZ PPF gva`tg ik v_ i teSuxK, Ki bvk w³ gj-K Ges cKvkgj-K , Yvej xi weKvk N tU | m s cZ f v weKv tk i gva`tg m v e R gvbumK , Yvej xi weKv tk msMx tZi BvZevPK Ae`vb i tqtQ | msMxZ ik v e v e i weKv tk I m v q K |*
- ✓ *gvbumK m y Z v k i x i t K m y ' i v L v i R b " A Z " v e k " K | Z v B m y ' k i x i M v t b m s M x t Z i f v g K v A c w i m x g |*
- ✓ *msMxZ ik v gvby t K m R b k x j K t i t Z v t j | G B m R b k x j g t b v f v e R x e t b i t h t K v b m g m " v m g r a v t b B v Z e v P K c f v e i v t L | % k w i K t P Z b v e v x K t i G e s R x e b t K m y i K t i t Z v j v i A v M h e v x K t i |*
- *msMx tZi ` w g j w e l q m y l Q ` | m y l Q t ` i e " e n v t i i g v a " g i k v _ i K v t Q c v w e l q A v K l B v x q G e s m n R t e r a " K t i t Z v j v h v q | t h g b m y K t i Z v t j Z v t j b v g Z v c o v | M v t b i m t j i i k i t K A v j i t k L v t b v |*

veIq : Avgvi tmvbi vsjv

Avatekb : 9

mgq : 90 vgvbu

gj-fve:

ie`bv_ VvKzi i tj Lv GB MvbiUz Gf`tki gvby i Aštii K_v `vb tctqtQ| Avi GB Mvbi mxi
vgtk AvfQ vsjv f`tki GK evDj Mvbi mxi| ŌAvgv tKv_vq cve Zvfi, Avgvi gbi gvby th tiŌ
MvbiU tMtg vPvW vej KiZ vkvB`n GvKvi WvKNxi MMb niKiv| G Mvbi mxi tgvnZ ntq
ie`bv_ VvKz H mxi Av`tkŌAvgvi tmvbi vsjv Avgv tZvgvq fvj evmŌ t`ktcŌgi GB MvbiU
evatjb| vsjv f`tki cKvzi eYŌv evDj mxi AvKz Uvfb t`tki Rb` fvj evmvi AvteM fxi
DfvfQ|

vklbdj :

G Avatekb tkfi AskMŌbKvi vMY-

1. cŌgZ D`PvifY MvbiU AvevĒ KiZ cvi teb
2. gj-fve Dcj vā KiZ cvi teb
3. Mvbi cKvz, Zvj , Ō` ej fZ cvi teb
4. i x mxi I Zvj MvbiU MvBfZ cvi teb

DcKiY:

nvi tgvbqvq, Zejv, tnvqvBU tevW©gvKŌ, gvŌvŌgvWqv cŌR±i, tcv÷vi tccvi, mvBbfc|

cŌvz I tKškj :

`tj KvR, Avfj vPbv, Dc`vcb

Avatekbi veiy :

KvR-1 : cŌgZ D`PvifY AvevĒ

mgq : 15 vgvbu

- mevBfK i f`Qv Rvbfg Kvj vevbgtqi gva`tg Avatekb i iā Kiteb| cKvKiteb-MvbiU
MxvZKvi I mxiKvi tK?

- Z_cĪ t_#K ÒAvgrv tmbvri eivjv Avng tZvgrq fvj evmÓ MvbiU cĔZ`K AskMĥYKvi#K w`tq w`teb Ges KtqKevi cotZ ej teb|
- tcv÷vi tcciti wj tL A_ev gviéngwWqvi gva`tg MvbiU cĔ kĔ Ki teb
- c#jv MvbiU wbtR fvev_`eRvq ti tL `B wZbevi Ave#E Kti tkv#teb
- AskMĥYKvi#`i mevBtK wbtq c#jv MvbiU Ave#E Ki teb
- 5/6 Rb AskMĥYKvi#K MvbiU Ave#E Ki tZ ej teb Ges D`Pvi tY mgm`v _vKtj i`x Kti w`teb

KvR-2 : Mtbi cĔwZ, Zvj, Q>` m#ú#K#ej tZ cviv

mgq : 10 wgvbU

- MvbiUi cĔwZ. ev aiY, ÒZvj, Q>` m#ú#K#Avgrv Kx RmbÓ cĔw tcv÷vi tcciti A_ev gviéngwWqvi gva`tg Dc`vcb Ki teb
- AskMĥYKvi#`i cvkvcmk 3 RbtK Avtj vPbv Kti DEi _wj wR wR LvZvq wj LtZ ej teb
- tJ Lv tk#l KtqKRbtK Dc`vcb Ki tZ ej teb
- Dc`vcb tk#l gj-fve/Z_` cĪ i Avtj vtK e`vL`v Kti avi Yv`úó Ki teb

KvR-3 : i`x m#j I Zvtj MvbiU Mb#Z cviv

mgq : 55 wgvbU

- MvbiU tKvb Zvtj wbe# I KZ grĪvi wK Q>` Zv AskMĥYKvi#`i nv#Z Zvwj w`tq ev#tq w`teb Ges mKj tK wbtq 2/3 evi Af`vm Kivteb|
- mwK mj-Zvj eRvq ti tL m#ú#Y#MvbiU 3 / 4 evi tMtq tkv#teb|
- ÒAvgrv tmbvri eivjv ---- Avgrv cĪY evRvq ewkÓ GB cĔg `B j vBb mevBtK Avcbvri mvt_ Mb#Z ej teb|
- ÒI gr dv_#b tZvi ----- wK t`tLwQ gajv nvmÓ ch#ÍPvi j vBb Avcbvri mvt_ MvI qvteb|
- cYivq cĔg t_#K Qq j vBb mevBtK wbtq Mb#teb|
- Kv#iv Mb#Z A_ev mj-Zvtj i mgm`v ntj ZvtK ev Zvt`i tK cYivq MvI qvteb|
- ÒwK tkvfv ----- b`xi Ktj Ktj Ó GB `B j vBb mevBtK wbtq MvI qvteb|
- cYivq m#ú#Y#MvbiU cĔg t_#K tkI ch#Í mevBtK wbtq Mb#teb|
- Ògr tZvi g#L i evYx ----- bqb Rtj fvmÓ GB Pvi j vBb mevBtK wbtq MvI qvteb|

- 5/6 RbʔK Mvbu MvʔZ Ges Abʔ i i bʔZ ej ʔeb | Zvʔj I mʔi WK bv nʔj WK Kʔi w ʔeb |

gj̣iqY :

mgq : 10vgubU

2/3 Rb AskM̄̄YKvi xʔK Mvbu MvʔZ ej ʔeb |

Abʔšb :

MvbuLi cKwZ.mʔúʔKʔPšI Kiab Ges mʔj I Zvʔj i ʔenkó mʔúʔKʔFvely |

Z_cî :

- cŭgZ DʔPvi ʔY Avel̄̄ Mvʔbi AbʔZg kZ, Mvʔbi fvel̄̄ Avel̄̄Ei gʔa ʔúó nʔq I ʔV | mnvqK AskM̄̄YKvi xʔ i AvM̄̄ mʔoi Rb ʔ Mvʔ w bʔR Avel̄̄E Ki ʔeb Ges AskM̄̄YKvi xʔ i w ʔq I Avel̄̄E Ki vʔeb |
- GB Mvʔb dv, ʔb DʔPvi ʔY ōdō ej ʔZ ʔw ʔwŭ wgv vʔZ nʔe | enk, Avʔj kã, ʔjv ej ʔZ Pʔ ʔe ʔ y ʔúófvʔe DʔPvi Y Ki ʔZ nʔe | wQvʔqQ ej ʔZ ōŌŌGi WK DʔPvi Y Kivi w ʔK ʔLqj ivLʔZ nʔe |
- MvbuLi Zvj ʔv ʔi v | j q wKgv |
- ʔv ʔi v Zvj : 3 + 3 = 6 gvÎv

			+				0
av	wa	bv		bv	wZ	bv	
1	2	3		4	5	6	

veiq : Avgvi fvBtqi it³ iv0tbn

Avatekb : 10

mgq : 90 ugubU

gj-fie:

ev0wj gvtqi gLi fvlvK ivofvlv Kivi Rb" Dmbktkv evnubæmvj fvlv Avt`vj tb kun` eiKZ, mijvg, ReYvi, imdk XvKvi ivRct_ eYKi i³ tXtj uQtjv| Zvt`i tmB Avt`vj b Avi AvZt`vMi dtj evsjv fvlv ivofvlvi mæyb Av`vq Kti vbtZ tcti uQtjv| AvRtKi evsjv`k ivtôf ucQtb AvtQ tmv`tbi ivofvlv Avt`vj tbi kun`t`i t`ktcô| AvtRv Avgiv cûZ eQi tdeaqmii GKk Zmii tL`si Y Kvi tmB fvBt`i |`si Y Kvi Avgvt`i gvtqi tkvtKi Akâtavqv H w`buUtk | evsjv fvlv tctgK fvBt`i i³ iWAZ GB GKk tdeaqmii wPi`si Yxq| eQi eQi tmB w`b Avgvt`i KvQ bZb ntq vdti Avtm`Rb nivtbnvi tkvK enb Kti | evsjv fvlvi cûZ fvjevivi Agi`sz ntq GKk tdeaqmii wPi fv`t ntq_vKte|

Ave`j Mvdvvi tPšaxi GKwU KweZvi KtqKwU QÎ vbtq iWZ ntqQ GB MvbwU| Avi I LmbKUv AskI mxi Mvlqv nq| wKš' GLvth th PiY t`lqv ntqQ, tmUKB vdti vdti Mvlqv nq GKk tdeaqmii cFvZtdix Avi wewfbaAbvntb| G Mvth mij w`tquQtj b kun` Avj Zvd gungy| wZvbI evsjv`tki gwphxi mgq nbnv`vi ewnbxi wbnvZtbi wKvii ntq wPiZti vbtLwR ntq hvb|

wLbdj :

G Avatekb tkvl AskMhbkvi wMb N

1. cûgZ D`Pvi tY MvbwU Ave`E Ki tZ cvi teb
2. gj-fie Dcj wä Ki tZ cvi teb
3. Mvthi cKwZ, Zvj, Qv` ej tZ cvi teb
4. i x mxi I Zvtj MvbwU MvBtZ cvi teb

DcKiY:

nvi tgnvbqvg, Zejv, tnrvqBU tevW©gvKf, gwewgWqv cR±i, tcv÷vi tccvi, mvBbtcb|

c0wZ I tKškj :

`tj KvR, Avtj vPbv, Dc`vcb

Avatektbi weiy :

KvR-1 : cġZ D'PviŧY AvejĒ

mgq : 15 uġubU

- mevBġK iġf"Qv Rmbġq Kġj weibġtqi gvaġġg Avatekb iia Kiteb | cġæKiteb-MvbiUi MxiZKvi I mġKvi tK?
- Z_cġ t_ġK ŌAvġvi fvBġqi iġ³ ivŌvġbvŌ MvbiU cġZ`K AskMġYKviġġK w`ġq w`ġeb Ges KġqKevi coġZ ej ġeb |
- ġcv÷vi tccġġi wġ ġL A_ev gwiġġuWqvi gvaġġg MvbiU cġ kġ Kiteb
- cġġi v MvbiU wġR fivev_ġeRvq tiġL `ġ wZbevi AvejĒ Kġi tkvbiġeb
- AskMġYKviġġ`i mevBġK wġġq cġġi v MvbiU AvejĒ Kiteb
- 5/6 Rb AskMġYKviġġK MvbiU AvejĒ KiġZ ej ġeb Ges D'PviŧY mgm`v_vKġġ i`x Kġi w`ġeb

KvR-2 : Mġġbi cġwZ, Zvj , Q` mġúġKġej ġZ cviv

mgq : 10uġubU

- MvbiUi cġwZ. ev aiY, ŌZvj , Q` mġúġKġAvġiv Kx RmbŌ cġwZ ġcv÷vi tccġġi A_ev gwiġġuWqvi gvaġġg Dc`vcb Kiteb
- AskMġYKviġġ`i cvkvcwġk 3 RbġK Avġġ vPbv Kġi DĒi_wġ wR wR LvZvq wġ LġZ ej ġeb
- ġġ Lv tkġI KġqKRbġK Dc`vcb KiġZ ej ġeb
- Dc`vcb tkġI ġġ-five/Z_cġġi Avġġ vġK e`vL`v Kġi aviYv`úŌ Kiteb

KvR-3 : i`x mġġ I Zvġġ MvbiU MvBġZ cviv

mgq : 55 uġubU

- MvbiU tkvb Zvġġ wbe`x I KZ gvġvi wK Q` Zv AskMġYKviġġ`i nvġZ Zvġġ w`ġq evġġq w`ġeb Ges mKġġK wġġq 2/3 evi Af`vm Kivġeb |
- mwK mġġ-Zvj eRvq tiġL mġúġKġMvbiU 3 / 4 evi tMġq tkvbiġeb |
- ŌAvġvi fvBġqi ----- Avġġ wK fvġġġZ cvwi Ō GB cġġg `ġ jvBb mevBġK Avcbvi mġġ_MvBġZ ej ġeb |
- Ōġġġġ nvi v kZ ----- Avġġ wK fvġġġZ cvwi Ō chŚġ`ġ jvBb Avcbvi mġġ_MvI qvġeb |
- cġYivq cġġg t_ġK Pvi jvBb mevBġK wġġq MvBġeb |

- Kv̄iv Mb̄tZ A_er my-Ziv̄j i mgm̄iv n̄j Ziv̄tK ev Ziv̄` i t̄K cyiv̄q Mvl qv̄teb/
- ÒAvgvi tm̄bri t`tki ----- Avḡ wK fiv̄j t̄Z cwi Ò GB Pvi j vBb meiv̄t̄K w̄bt̄q Mvl qv̄teb/
- cyiv̄q m̄úY Mv̄biU cŨg t_ t̄K t̄kl chS̄imeiv̄t̄K w̄bt̄q Mb̄teb/
- 5/6 Rb̄t̄K Mv̄biU Mb̄tZ Ges Ab̄` i ībt̄Z ej̄teb/ Ziv̄j I m̄ji w̄K bv̄ n̄j w̄K K̄ti w̄teb/

gj̄iv̄qY :

mgq : 10 w̄gbU

2/3 Rb AskM̄h̄YKvi x̄t̄K Mv̄biU Mb̄tZ ej̄teb/

ĀAb̄ȳšb :

Mv̄biU c̄Kw̄Z. m̄ú t̄K PŠ̄í Ki ab Ges mȳ I Ziv̄j i `en̄kó` m̄ú t̄K f̄v̄el̄j/

Z_c̄l :

- c̄gZ D`Pri t̄Y AvēĚ Mv̄t̄bi Ab`Zg kZ, Mv̄t̄bi f̄iv̄_ AvēĚi ḡta` `úó n̄q I t̄V/ mn̄v̄qK AskM̄h̄YKvi x̄t̄` i Av̄M̄h̄ m̄j̄oi Rb` Mv̄b w̄bR AvēĚ Ki t̄eb Ges AskM̄h̄YKvi x̄t̄` i w̄t̄qI AvēĚ Kiv̄teb/
- GB Mv̄t̄b t̄dēq̄w̄i D`Pri t̄Y Bst̄i w̄R ŪFŪ Gi D`Pri Y eRv̄q i v̄Lv n̄q/ Ūiv̄Ov̄t̄bv̄Ū k̄āw̄t̄K Ūiv̄sMv̄t̄bv̄Ū ej̄ v̄ n̄q bv̄/ Mv̄t̄bi ev̄Yx̄t̄Z ŪfŪ, ŪQŪ, ŪoŪ aYw̄Y, t̄j v̄ m̄w̄K f̄iv̄te D`Pri Y Kivi c̄ŪZ w̄t̄kl f̄iv̄te j q̄ŪŠ̄ i v̄L̄t̄Z n̄te/
- Mv̄biUj Ziv̄j `v`iv̄/ j q w̄Xgv̄/
- `v`iv̄ Ziv̄j : 3 + 3 = 6 gv̄Ūv̄

$$\begin{array}{cccc|ccc}
 & + & & & & 0 & & \\
 av & wa & bv & | & bv & wZ & bv & | \\
 \\
 1 & 2 & 3 & | & 4 & 5 & 6 & |
 \end{array}$$

weiq : msMxZ weiqK cW cwi Kí bv cŸqb Ges cŸkŸx cW

Awatekb : 11

mgq : 1 Nbu 45 ugubu

gj-fie:

KvhŖi wkŸY-wkLŸbi Rb" msMxZ weiqi cV cwi Kí bv cŸqb Kiv AZ"Ší RiŸx| cV cwi Kí bvi avc, tŸv AbyiY KŸi Ges h_vh_ wkLbdj DŸj LceŖ wbu Ÿ QK tgvZvteK cV cwi Kí bv Kiv cŸqvRb|

wkLbdj :

G Awatekb tkŸl AskMŸbKvi xMY-

1. msMxZ weiqK cV cwi Kí bvi avcmgŖ Ges wkLbdj wPwŸZ KiŸZ cviŸeb|
2. msMxZ weiqK cV cwi í bv cŸqb KiŸZ cviŸeb|
3. cV cwi Kí bv Abyvqx cŸkŸx cV w ŸZ cviŸeb|

DcKiY:

tnvqvBU tevW, gvkŸŸ, Z_ "cÎ, gvŸŸwŸwqv, tcv÷vi tccvi, mvBbŸcb|

cŸwZ I tKŸkj :

e³Zv, teb ÷ ugŸ, `j MZ AvŸj vPbv, Dc Ÿvcb

AwatekŸbi weiy :

KvR-1 : msMxZ weiqK cW cwi Kí bvi avcmgŖ Ges wkLbdj wPwŸZ KiŸZ cviv mgq : 25ugubu

- mevBŸK iŸf"Qv RvnbŸq KkŸj weibgŸqi gvaŸŸg Awatekb i iŸ KiŸeb| cVcwi Kí bvi weŸP" weiqi AvŸjvŸK GKwU msvŸŸB e³Zv cŸvb KiŸb Ges cV cwi Kí bvi weŸP" weiqi AvŸjvŸK GKwU cV cwi Kí bv cŸqŸb Kx Kx avc AbyiY KiŸZ nŸe Zv wRÁvmv KiŸeb|

- cġkġYv_ġv GtK GtK DĒi wte| me_tjv DĒi tevW^ġij Lġ| Gici welq_tjv mstġtc e'vL'v Kiab| cġkġYv_ġ' i enstq ejteb th, GKwU cvW cwiKíbv KiZ ntj cġtg we`vj tqi bvg, wkġġKi bvg t_K iia Kti welq, tkYx, cvV, mgq, ZwiL BZ`w` we`wi Z weeiY cvW cwi Kíbv i cwi wPwZ Astk QK AvKvġi wj LtZ nq|
- Gici cġkġYv_ġ' iġK wkLbdj m^utK^ġPS' KiZ ejġ Ges wR wR LvZvq wj LtZ ejteb|
- %ePqġbi gva`tg KtqKRb cġZwbwġK wj wLZ wkLbdj cvW KiZ ejteb| mKj `tj i wkLbdj cvW tkġl cġkġK D³ cvġVi Rb` wkLbdj wk ntZ cvġi Zv tnvqW tevW^ġij tL cġkġYv_ġv Zv wġwġ tq wte|

KvR-1 : msMwZ welqK cvW cwiKíbv KiZ cviv

mgq : 30 wġwU

- AskMġbKviġ' i KtqKwU `tj fVM Kti cvW cwiKíbv i QK (Kg^ġĪ) mieivn Kiġeb| GKwU Av`k^ġcvW cwiKíbv i cġZwU Astk i Dcv`vb wk ntZ cvġi Zv `tj AvtjvPbv Kti AskMġbKvi xiv cvW cwi Kíbv i QġKi mivvth` Zv wj wce^x KiZ tPóv Kiġe|
- Gevġi cġæDĒi c^xwZtZ wewfbaeDcv`vbmġR Ges G mKj Dcv`vġbi mgštq cvW cwi Kíbv msMVġbi cġµqv e'vL'v Kiġeb|

KvR-1 : cvW cwiKíbv Abġvqx cġkġx cvW wġZ cviv

mgq : 40wġwU

- cġev^ġ cġZwU `jġK QK Abġvqx cwi wPwZ, wkLbdj Ges DcKiġYi bvg wj LtZ ejteb|
- GKwU Kvġm RvZxq msMġZi cġg `ġ jvBb tkLvġbv i KvRwU chġµwġKfvġe cġwZ, Dc`rcb Ges cġqvM GB wZbwU Dcv`vġb fVM Kti wj wce^x KiZ ejteb|
- cġZ`K `tj i GKRb cġZwbwġ cġYxZ Kvġġtġi Zwiġ Kv mKġj i mvgġb Dc`rcb Kiġeb| cġqvRġb cġæDĒi c^xwZtZ G mKj Dcv`vġbi mgštq cvW cwi Kíbv msMVġbi cġµqv e'vL'v Kiġeb|

Z_cī :

bglyv cvV cwi Kí bvĀ

c	we`ij tqi bvg	t K	welq	t mslMxZ
wi	wkŋtKi bvg	t L	tkŋY	t wZxq
wP	wkŋvel©	t 2013	cvV	t RvZxq mslMxZ ŌAvgvi tmvbi ersj vŌ
wZ	wkŋv_ŋ msL`v	t 25	mgq	t 45 wgvbU
			Zwi L	t 15.04.2013
wk	GB cvV tkŋI wkŋv_ŋ v Ā			
L	1. RvZxq mslMxZ ŌAvgvi tmvbi ersj v evRvq ewkŌ chŋi cwi wPZ nŋe			
b	2. RvZxq mslMxZ ŌAvgvi tmvbi ersj v evRvq ewkŌ chŋi × D`Pri tY AveŋĒ Ki tZ cvi ŋe			
d	3. RvZxq mslMxZ cwi ŋekbKvtj Kxfiŋe mŋŋb cŌ kŋ Ki tZ nq Zv t`LvZ cvi ŋe			
j	4. RvZxq mslMxZ ŌAvgvi tmvbi ersj v evRvq ewkŌ chŋi MvBtZ cvi ŋe			
DcKi Y t mslMxZ welqK wkŋK wbt`ŋK Kv, nvi tgvmbqvg, Zej v				
ŋmivb	mgq	wkŋtKi KvR		wkŋv_ŋ KvR
c		i tŋ`Qv wewbgtqi ci wkŋv_ŋ i ckaKie Ā		wkŋv_ŋ v i tŋ`Qv wewbgtq
-		• ŋKvb MvbiU Avgvt`i Avgvt`i RvZxq mslMxZ ej tZ cvi ŋe?		Ki ŋe cŌkŋ DEi `vŋbi
wZ		• GZ mŋi MvbiU Kvi tj Lv?		gva`tg cvV gŋbmbtek
		• RvZxq mslMxZ MvBevi mgq Kxfiŋe mŋŋb t`LvZ nq tZvgi v Rvb?		Ki ŋe
		DEi cvl qvi ci Mvb tkLvŋv i i ŋKie		
D		• RvZxq mslMxZ ui `vqx ŋevWŋj tL w`e		wkŋv_ŋ v LvZvq Mvb wj tL
C		• ky ej v I D`Pri Y Kivi Rb` wkŋv_ŋ i mŋt` wbtq tek		wbŋe Ges wkŋtKi mŋt`
-v		KtqKevi MvbiU `vqx AskwU AveŋĒ Kie		cŌtg AveŋĒ Ki ŋe Ges
C		• wkŋK wbt`ŋK Kvq cŌ Ē `ŋij wC Abŋvqx mŋŋe` tŋtŋ		cŋi ŋMŋq MvbiU wkLŋe
b		nvi tgvmbqvg, Zej v mnŋhŋM tkLvŋev cŌqvRŋb wmwV,		
		tgvvBj tcvb WwDbtj wW ev gvwĒvgwWqvi mŋvŋh` wbe		
g-		AvRtKi cvV t_ŋK wkŋv_ŋ v wk wkŋLŋQ Zv hvPvBtqi Rb` cŌtg		wkŋv_ŋ v mwVKfŋŋe MvbiU
j`v		mgŋeZ `ŋi wkŋv_ŋ i Mvb MvBtZ ej e cŋi KtqKRbŋK GKv		ŋMŋq tkvbtZ tPŌv Ki ŋe
q		MvBtZ ej e		
Y				

veIq : i³ w̄ t̄q bvg wj t̄LwQ

Aw̄t̄ekb : 12

mgq : 90 w̄gwbU

gj-fie:

gwy³h³ Pj vKvj xb gwy³h³×i Ab̄t̄c̄Yv thvMv̄bvi D̄t̄i t̄k̄ i w̄PZ n̄t̄q̄w̄t̄j v Āt̄bK gwy³h³×i Mvb | ōi³ w̄ t̄q bvg wj t̄LwQ Mvbw Zvi B GKwU | w̄x̄b evsjv teZvi t̄K>^a t̄t̄K eūj c̄P̄wi Z GB Mvbw gwy³thv×i t̄ i gtb h̄w̄t̄t̄Q Am̄xg m̄vnm I D̄i xcbv | MvbwU t̄Z R̄x̄eb cY K̄ti i t̄³i e t̄j t̄ḡt̄K ḡȳ Kivi w̄ p c̄L̄q e³ Kiv n̄t̄q̄t̄Q | MvbwU t̄Z msKUGq ḡȳ t̄Z m̄K̄t̄j i ḡt̄S GKZv, i³ I Acḡt̄bi c̄L̄Z̄t̄kva t̄bl qvi ḡva t̄ḡ ḡȳ w̄x̄b t̄ k̄ Movi w̄ β gb̄³ w̄t̄gi K_v e³ n̄t̄q̄t̄Q |

w̄kLbdj :

G Aw̄t̄ekb t̄k̄t̄l AskM̄b̄Kvi w̄Mb-

1. c̄L̄gZ D̄P̄vi t̄Y MvbwU Avēw̄Ē Ki t̄Z cvi t̄eb
2. gj-fie Dc̄j w̄ä Ki t̄Z cvi t̄eb
3. Mv̄t̄bi c̄K̄w̄Z, Zvj, Q̄ w̄ ej t̄Z cvi t̄eb
4. i × m̄t̄j I Zv̄t̄j MvbwU Mv̄B̄t̄Z cvi t̄eb

DcKiY:

nvi t̄ḡw̄b̄q̄v̄g, Zejv, t̄n̄v̄q̄v̄BU teW̄³ḡv̄K̄t̄, ḡw̄īw̄ḡw̄q̄v̄ c̄R̄±i, t̄cv̄÷vi t̄ccvi, m̄v̄B̄b̄t̄cb |

c̄P̄w̄Z I t̄K̄š̄kj :

w̄ t̄j K̄vR, Av̄t̄j v̄P̄bv, Dc w̄v̄cb

Aw̄t̄ek̄t̄bi w̄eiY :

K̄vR-1 : c̄L̄gZ D̄P̄vi t̄Y Avēw̄Ē

mgq : 10 w̄gwbU

- mevbtk iif"Qv Rmbtq Kkj weibgtqi gva'tg Aatekb iia Kiteb| ckaKiteb-Mvbui MxizKvi I myKvi tK?
- Z_cT t_tK òi³ w`tq bvg wj tLwQ0 Mvbui c0Z`K AskMhYKvixtK w`tq w`teb Ges KtqKevi cotZ ej teb|
- tcv÷vi tcciti wj tL A_ev gwièugwWqvi gva'tg Mvbui c0k0 Kiteb
- cji v Mvbui wbtR fvev_eRvq ti tL `B wZbevi AvejE Kti tkvrbteb
- AskMhYKvixt`i mevbtk wbtq cji v Mvbui AvejE Kiteb
- 5/6 Rb AskMhYKvixtK Mvbui AvejE Kitz ej teb Ges D`Pvi tY mgm`v_vKtj i x Kti w`teb

KvR-2 : Mtbi ckwZ, Zvj, Q` m`utK@ej tZ cviv|

mgq : 15 wgvbu

- Mvbui ckwZ. ev aiY, 0Zvj, Q` m`utK@Avgiv Kx Rmb0 ckw tcv÷vi tcciti A_ev gwièugwWqvi gva'tg Dc`rcb Kiteb
- AskMhYKvixt`i cvkvcnk 3 RbtK Avtj vPbv Kti DEi_wj wbr wbr LvZvq wj LtZ ej teb
- tJ Lv tk tI KtqKRbtK Dc`rcb Kitz ej teb
- Dc`rcb tk tI gj-fve/Z_cT i Avtj vK e`vL`v Kti aviYv`úo Kiteb

KvR-3 : i x mji I Zvtj Mvbui MbTZ cviv|

mgq : 55 wgvbu

- Mvbui tkvb tkvb Zvtj wbe x I KZ gvTvi wK Q` Zv AskMhYKvixt`i nvtZ Zvj w`tq evStq w`teb Ges mKj tK wbtq 2/3 evi Af`vm Kivteb|
- mwK my-Zvj eRvq ti tL m`uY@Mvbui 3 / 4 evi tMtq tkvrbteb|
- òi³ w`tq bvg wj tLwQ ----- GB Rxe tbi `vg0 GB c0g `Bj vBb mevbtk Avcbri mvt_ MbTZ ej teb|
- 0msKtU Avi msNvtZ ----- j omQ Aweivg0 chSÍ`B j vBb Avcbri mvt_ Mvl qvteb|
- cyivq c0g t_tK Pvi j vBb mevbtk wbtq Mbteb|
- Kvti v MbTZ A_ev my-Zvtj i mgm`v ntj ZvtK ev Zvt`i tK cyivq Mvl qvteb|
- òi³ hLb w`tq wQ ----- Rxe tbi Acgvb0 GB Pvi j vBb mevbtk wbtq Mvl qvteb|

- ÒRxeb Rtqi ----- tgv` i gb®vgó GB `B j vBb mevBtK wbtq MvI qvteb|
- cYivq m`úY®MvbiU cŭg t`tK tkI chŠímevBtK wbtq MvBteb|
- 5/6 RbtK MvbiU MvBtZ Ges Ab`t`i i`btZ ejteb| Zvtj I mxi wK bv ntj wK Kti w`teb|

gj`vqY :

mgq : 10 wgvBU

2/3 Rb AskMhYKvixtK MvbiU MvBtZ ejteb|

ˆ^AbjŠb :

MvbiUi cKwZ.m`útk®PŠí Kiab Ges mxi I Zvtj i `eikó` m`útk®Fveb|

Z`cŭ :

□ cŭgZ D`Pri tY AvejĚ Mvbi Ab`Zg kZ,®Mvbi fiev_®AvejĚi gta` ˆúó ntq I tV| GB MvbiUi ˆvqx Ges AŠíiv Kvnviev Zvti Ges m`Ávix `tZ `v`iv Zvtj wbeX| wvIqvi w`tK mRvM `wó ti tL mnvqK MvbiU wbtR AvejĚ Ki teb Ges AskMhYKvixt`i w`tqI AvejĚ Kivteb|

□ Kvnviev Zvj : 4 + 4 = 8 gvŭv|

+								0	
av	tM	tZ	tU		bv	tM	wa	bv	
1	2	3	4		5	6	7	8	

□ `v`iv Zvj : 3 + 3 = 6 gvŭv|

+						0	
av	wa	bv		bv	wZ	bv	
1	2	3		4	5	6	

□ G MvbiU tZ ōi 3ŕ, ōgv 3ŕ, ōZ 2ŕ, cŭwZ KtqKw hŕvŕi i tqtŕ| hŕvŕi i cŭg Aŕi w nmŠí mnthv tM tRvi `vi fivte D`Pri Y Ki tZ nte| ōj oiwŕ Ges ōMŕomŕŕ kã `wji D`Pri tY ōoŕ D`Pri Y ˆúó I tRvi tjv ntZ nte|

veiq : vbtRi nvtZ KvR Ki

Awatekb : 13

mgq : 60 wgwbu

gj-fve:

evj Kij t_tKB wki_t`i gtb ktgi ciz ghPvteva RvMz Kivi j_tT` ZZxq tkWytZ Ave`y j_wzd
i_wPZ I mjtivmCZ vbtRi nvtZ KvR Ki KvRtZv Nyvi bqU GB MvbwU msthvRb Kiv ntqtQ/
MvbwUtZ vbtRi nvtZ KvR Kijt KvDtK tQvU Kti ev Nyvfti t`Lvi tKvb AeKvk tbB GB tevaW
wki_t`i gtb RvMz Kivi K_v ejv ntqtQ/ KvRi gva_tgB gvbt_i cwiPq, cZ`K KvRB
m`sbRbK/ Avgt`i wcuq bex nRiZ g`r`\$ mij wj wu Avj vqtn I qv mvj vg vbtRi nvtZ KvR Kitzb
Ges wZvb KvRi gvby_t`iK wtkl fite m`sb t`LvZb/ G Qvov GB c_wextZ tKvb gvbyB Agi
bb/ wKŠ` GKRB gvby Zvi gZ`y ci GKgvI Zvi KvRi cwiPtqi gva_tgB c_wextZ tetP_vKtZ
cvtib/ mzi vs KvRtK KLbB Nyv Kiv DwPZ bq/

wkLbdj :

G Awatekb tktI AskMvbKvi wMY

1. ciz D`Pri tY MvbwU Ave`E Kitz cvi teb
2. gj-fve Dcj wa Kitz cvi teb
3. Mvbi cKwZ, Zvj , Q` ejtZ cvi teb
4. i x mji I Zvtj MvbwU MvbtZ cvi teb

DcKiY :

nvi tgnwbqvg, Zejv, trnvqBU tevW, gvKf, gwie wgwv cR±i, tcv÷vi tccvi, mvBbtcb/

cWZ I tKŠkj :

`tj KvR, Avtj vPbv, Dc`rcb

Amatekibi weiy :

KvR-1 : cġZ D'PviŋY AveŋĒ

mgq : 10 uġubU

- mevBġK iġf"Qv Rmbġq Kġj weibġtqi gvaġtg Amatekb i iæKiġeb | cġkKiġeb-MvbiUj MvviZKvi I mjKvi tK?
- Z_cġ t_ġK ŌmbġRi nvġZ KvR Ki Ō MvbiU cġZ"K AskMġhYKviġtK w ġq w ġeb Ges KġqKevi coġZ ej ġeb |
- ġcv÷vi tccġti wj ġL A_ev gviġġuġqvi gvaġtg MvbiU cġkġ Kiġeb
- cġjv MvbiU mbġR five_ġRvq tiġL `ġ wZbevi AveŋĒ Kġi tkvbiġeb
- AskMġhYKviġt` i mevBġK mbġq cġjv MvbiU AveŋĒ Kiġeb
- 5/6 Rb AskMġhYKviġtK MvbiU AveŋĒ KiġZ ej ġeb Ges D'PviŋY mgm"v_vKġj i x Kġi w ġeb

KvR-2 : Mġbi cġwZ, Zvj, Ō` m"úġKġj ġZ cviv

mgq : 10 uġubU

- MvbiUj cġwZ.ev aiY, ŌZvj, Ō` m"úġKġjAvġiv Kx RmbŌ cġwġ ġcv÷vi tccġti A_ev gviġġuġqvi gvaġtg Dc"rcb Kiġeb
- AskMġhYKviġt` i cvkvcvk 3 RbġK Avġj vPbv Kġi DĒi_wj mbR mbR LvZvq wj LġZ ej ġeb
- ġj Lv tkġI KġqKRbġK Dc"rcb KiġZ ej ġeb
- Dc"rcb tkġI ġj-five/Z_cġi AvġjġtK e"vL"v Kġi aviYv"úŌ Kiġeb

KvR-3 : i x mġj I Zġj MvbiU MbġZ cviv

mgq : 35 uġubU

- MvbiU tkvb Zġj wbe x I KZ ġvġvi wK Ō` Zv AskMġhYKviġt` i nvġZ Zvj w ġq eġġq w ġeb Ges mKj ġK mbġq 2/3 evi Af"vm Kivġeb |
- mġK mj-Zvj eRvq tiġL m"úġKġjMvbiU 3 / 4 evi tMġq tkvbiġeb |
- ŌmbġRi nvġZ KvR Ki ----- mZ" cwiPqŌ GB cġg `Pvi j vBb mevBġK Avcbvi mvġ_ MbġZ ej ġeb |
- ŌKvġK NYv ----- bvgx `vgx nqŌ chŚġPvi j vBb Avcbvi mvġ_ MvI qġeb |
- cġyivq cġg t_ġK AvU j vBb mevBġK mbġq Mbġeb |

- Kv̄t̄iv Mv̄B̄Z A_ ev mj̄-Zt̄j i m̄gm̄v̄ n̄t̄j Zv̄t̄K ev Zv̄t̄` i t̄K c̄Yi vq Mv̄I qv̄teb|
- Ôt̄Lv̄`vi n̄m̄ee ----- m̄t̄`n̄ t̄bB Zv̄t̄ZÔ GB Pvi j vBb mev̄B̄t̄K v̄b̄t̄q Mv̄I qv̄teb|
- Ôgv̄b̄y t̄Zv̄ b̄q ----- Agi n̄t̄q i qÔ GB Pvi j vBb mev̄B̄t̄K v̄b̄t̄q Mv̄I qv̄teb|
- c̄Yi vq m̄úY Mv̄b̄U c̄Ô_g t̄_ t̄K t̄kI ch̄S̄i mev̄B̄t̄K v̄b̄t̄q Mv̄B̄teb|
- 5/6 Rb̄t̄K Mv̄b̄U Mv̄B̄Z Ges Ab̄t̄` i i b̄t̄Z ej t̄eb| Zt̄j I m̄t̄j v̄WK b̄v̄ n̄t̄j v̄WK Kt̄i v̄` t̄eb|

gj̄`vqY:

mgq : 5 v̄gv̄b̄U

2/1 Rb AskM̄h̄YKvi x̄t̄K Mv̄b̄U Mv̄B̄Z ej t̄eb|

^Ab̄yŠ̄b :

Mv̄b̄Ui c̄K̄v̄Z. m̄ú t̄K P̄S̄i Ki ab Ges mj̄ I Zt̄j i `eikó` m̄ú t̄K F̄v̄e|

Z_ c̄l̄t

- c̄Ô_g Z D`Pri t̄Y Avev̄E Mv̄t̄bi Ab`Zg kZ, Mv̄t̄bi f̄v̄e_ Avev̄Ei ḡt̄a` `úó n̄t̄q I t̄V| m̄n̄v̄qK AskM̄h̄YKvi x̄t̄` i Av̄M̄h̄ m̄ú i Rb` Mv̄b v̄b̄t̄R Avev̄E Ki t̄eb Ges AskM̄h̄YKvi x̄t̄` i v̄` t̄qI Avev̄E Ki v̄teb|
- Mv̄b̄Ui m̄Âvi x̄t̄Z thLv̄t̄b ej v̄ n̄t̄q t̄Ô Ôt̄Lv̄`vi n̄m̄ee t̄gv̄t̄` i bex Kv̄R Kt̄i v̄bR n̄v̄t̄ZÔ t̄mLv̄t̄b ÔKt̄i Ô D`Pri Y Ôt̄Kv̄i Ô n̄te| c̄t̄i i j v̄B̄t̄b Ôk̄t̄gi Ô k̄ãŪt̄K Ôt̄k̄t̄ḡt̄i v̄Ô D`Pri Y Ki t̄Z n̄te| Ab` mḡt̄q Ôk̄t̄gi Ô k̄ãŪi Ôi Ô D`Pri Y Kivi mgq nm̄š-h̄y D`Pri Y Ki t̄Z nq| v̄KŠ' GLv̄t̄b Q̄t̄` i c̄Ô_qv̄R̄t̄b Ôt̄i v̄Ô D`Pri Y n̄te| Ôt̄et̄PÔ D`Pri Y Ki evi mgq P̄` t̄e` j̄ D`Pri Y `úó n̄Z n̄te| bZ̄gv̄ Ôt̄et̄PÔ (A_ P̄ v̄eμx Kt̄i) ḡt̄b n̄te|
- Mv̄b̄Ui Zvj K̄v̄n̄vīv̄|
- K̄v̄n̄vīv̄ Zvj : 4 + 4 = 8 gv̄T̄v̄

+								0	
av	t̄M	t̄Z	t̄U		bv	t̄M	v̄a	bv	
1	2	3	4		5	6	7	8	

veI q : vbañi Z Mb , vj i cKwZ. Rvbn Ges ev`hšj cwi vPvZ I e`envi

Avatekb : 14

mgq : 2 NvUv

gj-fie:

AvKI vq Ges kñZgaj Kti Mvb MvBeri Rb` Mvbi cKwZ. ev aiY Rvbn LgB cñqvRb| i PñqZv tKvb cwi tek ev fve tK wñE Kti MvbvU i Pbv Kti tQb tñUv Dcj wä Ki tZ cvi tj h_vh_ fve Ges Avfe`ir³ dñtq Ztj MvbvU MvI qv hvq| ZvB th tKv tbn Mvb tKlv ev MvBeri cte`Zvi cKwZ/aiY etjS tbl qv Acwivnhñ GQvov wKQzev`hšj cwi vPvZ Ges e`envi m`utKñ cñkñYv`ñ i Rvbn `i Kvi | Gi dtj Mvbi mvt_ mñWK ev`hšj e`envi Ges Zvi , i aZ; m`utKñ Avgvt`i `^0 ari bv mñó nte| cvkvcñk ev`hšj cñZ mKtj i wñkl AvMñ mñó nte|

wkLbdj :

G Avatekb tktl AskMñYKvi xMY-

1. vbañi Z Mb , vj i cKwZ/aiY etj tZ cvi teb|
2. ev`hšj mgtñi cwi vPvZ I e`envi m`utKñ etj tZ cvi teb|

DcKiY :

tcv÷vi tccvi , gvKñ , mvBb tcb, BbñWtKUi , t`j , Z_`cÎ , wKQzev`hšj Qñe, Ges ev`é ev`hšj

c×vZ I tKñj :

cñkñEti Avtj vPbv , `j xq KvR|

Avatektbi veeiY :

KvR-1 : vbañi Z Mb , vj i cKwZ/aiY m`utKñ avi Yv cñvb Kiv

mgq : 1 NÈv

- tKvb GKwU Mvbi 2/1 j vBb tñtq Zvi cKwZ/aiY RvbtZ PvBteb
- AskMñYKvi x`i 2/3 RbtK 2/1 j vBb Mvb MvBtZ etj Ab`ñ`i tK Zvi m`utKñ cñkñKi teb
- wñR AvI `yGKwU Mvbi wKQzAsk tñtq cñkñKi teb

- AskMhYKvixt`i tK 3/4 u `tj fVM Kiab Ges mslMxZ melqK bvgKiY Kivi tPov Ki teb/ (thgb- iex`bv_, bRiag, jvj b, nvmvb ivRv BZ`v)`
- ubaM Z Mvb, wj i cKwZ/aiY m`utK`me `j tK tcv÷vi tccvti wj LtZ ej teb
- tj Lv tktl `j xqfite Dc`vcb Ki tZ ej teb Ges Z`ctIi Avtj v tK melqe` cwi`vi Ki teb/

KvR-2 : ev`hšmg#ni cwiPvZ I e`envi m`utK`avi bv cövb

mgq : 45 wjt

- AskMhYKvixt`i Kv tQ Zv t`i cwiPZ ev`hšmg#ni bvg Rvb tZ Pvb Ges G, wj t`LtZ tKgb Zv ej tZ ej teb
- Zv t`i gta` tKD tKvb ev`hš; evRv tZ cv i`kP`vKtj tm m`utK`ej tZ ej teb Ges m`e ntj emRtq t`Lv tZ ej teb
- KtqKwU ev`hšj Qwe/gtWj /ev`e t`wL tG, tj vi mvt_ mKj tK cwiPZ Ki teb
- AskMhYKvixt`i tK DrmvinZ Kivi Rb` tKvY ev`hšj cöZ Kvi Kvi AvMh itq tQ Zv Rvb tZ Pvb teb
- tKvb aitbi Mvtbi mvt_ tKvb tKvb ev`hšj e`envi ntq `vtK Zv ev tG ej teb
- tKD tKvb ev`hš; evRv tZ cv i tj Kv tiv Mvtbi mvt_ Zv tK evRv tZ ej teb/ G tZ mKtj i gtb H ev`hš; m`utK`AvMh mwó nte
- Gevi GZyb Avtj wPZ ev`hš; m`utK`KQzckK Ki teb Ges ab`ev` Rvbtq tkl Ki teb/

gj`vqb :

mgq : 15 wjt

1. ubaM Z Mvb, wj i aiY Rvb tZ tP tG KtqKwU cKk Ki teb
2. KtqKwU ev`hšj bvg Rvb tZ Pvb Ges G t`i e`envi m`utK`cKk Ki teb/

`Abjšb :

ubaM Z Mvb, tj vi cKwZ. m`utK`Fvety Ges G t`tk cPwZ Z wewfbæev`hšj `ewkó` wbtq wPší Ki ab/

Z_cī :

Mt̄bi cĕkūZ : cĕg tk̄Ÿ t_†K cĀg tk̄Ÿi msMxZ űel qK cŷ†K tgvU †Zi űU Mvb ṽvb tctq†Q/
Gi g†a" i†q†Q RvZxq msMxZ, knx` ű`e†mi Mvb, QovMvb i†q†Q űZbi űŪŪ i ex`bv_ VvKž, KvRx
bRi†j Bmj vg Ges bRi†j Bmj vg eveyi űPZ, GQvor tj vK msMxZ, kŕgi ghP v m̄úűKž msMxZ,
† kvZ†evaK Mvb, nvg& ev †Lv`vi cĕkūZgĵ-K Mvb, cĕŵv msMxZ, iY msMxZ, űek† msMxZ Ges
gv†hy m̄úűKž Mvb i†q†Q GKűU K†i | Mt̄bi cĕkūZ. Rv†j Ges Dcĵ űä Ki†Z cvi†j Zv
h_vh_ fve Ges Awfe"ű³ dű†q Z†j MvI qv m̄e nq | ZvB Mt̄bi cĕkūZ. m̄ú†K†avi Yv_ vKv Lg
Ri†x/

űel q : Pj &Pj &Pj &

gj-fie:

RvZxq Kue KvRx bRiaj Bmjvg iWpZ Ab`Zg t`kvZ#eva wfwEK Dlxcbvgj-K Mvb Opj Pj Pj Oj
GB MvbiU evsj v`tki iY mSMxZ %mubKt`i Zvtj Zvtj cv tdtj gvP@Kivi mgq Dlxcbv mWogj-K
evbx itqtQ GB Mvrb| ZiaY cRbY th mg`levan AwZmg Kti gZ`z `gvti Rxeabi Avtjv Rvj vtZ
cvti ZviB D"QimZ cKvk GB MvbiUtK mgx KtiQt| 1928 mtj XvKv mdiKvtj Kue MvbiU iPbv
Ktib| H eQi tdeaqwi gvtmi cUg mBvtn XvKv ggnij g mwinZ" mgvtRi wZxq evw R Avatektb
mgteZ KtiU GB MvbiU DfOvabx mSMxZ wntmte MvI qv nq|

wkLbdj :

G Avatekb tktl AskMhYKvi xMY-

1. cUgZ D"PviY AveW E KiZ cvi teb|
2. gj-fie Dcj wä KiZ cvi teb
3. Mvrb cKuz, Zvj, O`, m`utK@ej tZ cvi teb|
4. i x mji I Zvtj MvbiU MvBtZ cvi teb|

DcKiY :

nvi tgnbqvg, Zejv, Z_`cT, Mvrb K_v I `tWj wC, tcv=vi tccvi, gvK@, mivBb tcb,|

cxiZ I tKSkj :

Avtj vPbv, cOkwEi, `j xq Abkxj b|

Avatektbi weeiY :

KvR-1 : cUgZ D"PviY AveW E KiZ cviv

mgq : 10vubU

- Avatektbi i iatZ mevBtK i tF"Qv Rvbtq Kkj wnbqg Ki teb
- tcv=vi tccvti wj tL A_ev gwnengwvqv gva`tg MvbiU cO k@ Ki teb
- mevBtK MvbiU cotZ ej teb
- Gevi KtqKRbtK cUgZ D"PviY MvbiU AveW E KiZ ej teb Ges D"PviY tKvb mgm`v
_vKtj Zv wbtR A_ev tKvb AskMhYKvixi mnvqZvq i x Kti w`teb

- cġgZ D"Prī tY gg[Ⓟ] Ges Q` eRvq ti tL MvbiU AvejĒ Ki tēb Ges mevBtK i b tZ ej tēb
- cġqvRb ntj mrvqZv Ki ab Ges cġksmv Kti tkl Ki tēb|

KvR-2 : Mvbi cġkuz, Zvj, Q`, m[Ⓟ]utK[Ⓟ]ej tZ cvi tē

mgq : 10 vgt

- mKozcġk[Ⓟ]Kti mel qe`ym[Ⓟ]utK[Ⓟ]avi bv RvbtZ PvBtēb| thgb-
 N̄ MvbiU tKvb ai tbi?
 N̄ GuU tKvb Zvtj ube x?
 N̄ MvbiU i Q` tKgb?
- ej tZ cvi tē cġksmv Ki ab, Ab` AskM[Ⓟ]YKvi x t` i nvtZ Zvuj w` tē enStq w` tēb
- `v` & v Zvj uU emRtq Zvj I Q t` i cġqvM t` Lv tēb

KvR-3 : i x mji I Zvtj MvbiU Mb tZ cvi v|

mgq : 35 vgvbu

- MvbiU tKvb Zvtj ube x I KZ gv i vi mK Q` Zv AskM[Ⓟ]YKvi x t` i nvtZ Zvuj w` tē enStq w` tēb Ges mKj tK ub tē 2/3 evi Af`vm Ki v tēb|
- mWK mji-Zvj eRvq ti tL m[Ⓟ]utK[Ⓟ]MvbiU 3 / 4 evi tMtq tkvb tēb|
- ŌPj & Pj & Pj &----- Zi aY ` j Pj t i Pj t i Pj Ō GB cġg Pvi j vBb mevBtK Avcbvi mvt_ Mb tZ ej tēb|
- ŌE l vi `gv t i ----- ev ū tZ be x b ej Ō ch S l m v Z j v B b Avcbvi mvt_ Mv l qv tēb|
- cYi vq cġg t_ tK GMvi j vBb mevBtK ub tē Mb tēb|
- Kv t i v Mb tZ A_ ev mji-Zvtj i mgm`v ntj ZvtK ev Zvt` i tK cYi vq Mv l qv tēb|
- ŌPj t i b l t Rvqv b----- Pj t i Pj t i Pj Ō GB cġg j vBb mevBtK ub tē Mv l qv tēb|
- cYi vq m[Ⓟ]utK[Ⓟ]MvbiU cġg t_ tK tkl ch S l mevBtK ub tē Mb tēb|
- 5/6 Rb tK MvbiU Mb tZ Ges Ab` t` i i b tZ ej tēb| Zvtj I mji mK bv ntj mK Kti w` tēb|

gv`vqb :

mgq : 5 vgvbu

1. 2/3 Rb tK MvbiU AvejĒ Ki tZ ej tēb|
2. mg tē Z K tĒ MvbiU Mb tZ ej tēb|

Abšb :

MvbiUi cKwZ. mautK⁹PSi Kiab Ges mij I Zifj i `enkó" mautK⁹Fvelj/

Z_cI :

- cŕgZ D"Pvi tY AveŕE Mvbi Ab"Zg kZ, Mvbi fvev_ AveŕE i gta" `úo ntq I tV/ mnvqK AskMhYKvi x` i AvMh mŕoi Rb" Mvb wbtR AveŕE Ki tēb Ges AskMhYKvi x` i w` tql AveŕE Ki v tēb/
- GB MvbiUtZ ŐAvNvZŐ, ŐcŕFvZŐ, Őevavi weŬ'vPj Ő, ŐfvŐti fvŐŐ Ask, tj vi ŐNŐ, ŐFŐ, ŐaŐ aŕwY, tj v tK thb wKŐZB ŐMŐ, ŐeŐ, Ő`Ő ej v bv nq tmw` tK j ¶ i vL tZ n tē/ ŐgnvkKvbŐ k tã i ŐkŐ D"Pvi tY GKB m t½ bvK Avi gŕ w` t q evZvm tei Kti ŐkŐ ej tZ n tē/ ŐAvnŕvbŐ kãw ŐAvl fvbŐ D"Pvi Y Ki tZ n tē/ ŐfŐGi D"Pvi Y GLv t b Bst i wR ŐvŐ Gi gZ/
- MvbiUi Zvj `v`iv/
- `v`iv Zvj : 3 + 3 = 6 gvŕv

+			0				
av	wa	bv		bv	wZ	bv	
1	2	3		4	5	6	

welq : Dcgnv t` tki mslmZ mvaK t` i Ræbx Ges Ab`vb" welq wkyv` v t b mslm tZ i e`envi |

gj-fie:

msMxZ GKwU bv`wbK Ges mkgvi wkí | GB wcltq cvi`wkZv ARB KiZ tMtj AfbK hZel
mvabri c0qvRb nq| msMxZ mvabv KiZ ntj eo eo msMxZ mvaKt`i c_ cwí µgv Rvbr Avek`K/
Zvt`i Rxeþbi NUBvc0v n msMxZ wkýv`i Rb` Drvine`ÄK, AvMh m0Kvix Ges AbKxi Yxq wclq
ntZ cvi |

mnRvZ fiteB msMxZ GKwU AvKI Yxq wclq | wkí i mkgvi eüE Ges bv`wbKtevtai weKvþki gva`tg
RxeþK %kwí K Ges gvay0DZ KiZ msMxZi weKí tbB| iayZvB bq, Ab`vb` wclq wkýv`vþb
msMxZi e`envi AZ`ší KihRi Ges dj cñ-fngKv ivtL |

wkLbdj :

G Awatekb tkþl AskMhYKvi mMY-

1. msMxZ mvaKt`i msMxZ Rxeþbi weþkl weþkl w`K ej tZ cvi þeb |
2. Ab` wclq wkýv`vþb msMxZi c0qvM Kxfite nq Zv ej tZ cvi þeb |

DcKib :

1g tk0Y t_þK 5g tk0Y chší cv`cýK, tcv÷vi tccvi, gvK0, tnvqvBU tevW, mvBb tcb,
gv00ngwMqv |

c×vZ I tkKj :

Avþj vPbv, þRvovq KvR, `j xq KvR, Dc`vcb |

Awatekþbi weib :

KvR-1 : msMxZ mvaKt`i msMxZ Rxeþbi weþkl weþkl w`K ej tZ cvi

mgq : 40 ngubu

- AskMhYKvi xþ`i i þf`Ov Rvbtq Kkj weibgtqi gva`tg Awatekb i iæKiþeb
- 0Dcgnvþ`þki cL`vZ msMxZ mvaKt`i m`úþK`Avgiv wK Rvnb0 cKwU tcv÷vi tccvþi wj þL
A_ev gv00ngwMqv gva`tg c0 k0 Kiþeb
- c0B DEi `þj v wbtq Avþj vPbv Kiþeb
- AskMhYKvi xþ`i 4wU `þj fvM Kiþeb | c0Z`K `þj Z_`cÎ t_þK dþUvKwci gva`tg
msMxZ msMxZ mvaKt`i Rxeþw`þq w`þeb Ges `þj coþZ ej þeb
- wba0i Z mgq cþi c0Z`K `j t_þK Dc`vcb KiþZ ej þeb Ges Ab`þ`i i bþZ ej þeb
- gþ Avþj vPbv gva`tg KvRwU tkL Kiþeb |

KvR-2 : Ab" w elq wkÿv`vfb mslMxZi c0qum Kxfvte nq Zv ej tZ cviv

mgq : 40wubU

- 0Ab"vb" w elq wkÿv`vfb mslMxZi c0qum Kxfvte nq?0 ckwU meri Df'ik" Kiteb cvkvcnk `0Rbtk wbtq tRvovq Avtj vPbv Kti wR LvZvq wj LtZ ej teb
- c0B DEi ,tjv tevfw'wj tL mgM0` tj Avtj vPbv Kti GKwU mvi mstyc `Zwi Kiteb Ges tmwU mevBtk wj tL wbtZ ej teb
- AskM0YKvix`i 4wU `tj fvm Kiteb Ges c0Z`K `tj 1g tk0Y t_tK 5g tk0Yi evsjv, BstiWR, MmYZ GB cv'cyK ,tjv mieivn Kiteb| GB eB ,tjv t_tK th tKvb GKwU w elqe` wbtq tmwU mslMxZi gva'tg wKxfvte Dc`vcb Kiv hvq Zvi GKUv cwi K'ibv `Zwi Kitz ej teb
- c0Z`K `tj tj Lvi c0qvRbxq DcKiY w`tq w`teb
- cte`c0wkwZ ckwU wbtq `tj Avtj vPbv Kti wj LtZ ej teb
- tj Lv tkfl `jq KvR Dc`vcb Kitz ej teb thLvtb Ab" w elq wkÿv`vfb mslMxZi c0qum `k`gvb nq
- c0Z`K `tj i Dc`vcb tkfl Avtj vPbvi wfwEtZ KvrwU tkl Kiteb

gj`vqb t

mgqt 10 wubU

1. tKvb w elq wklb tkLvfbvZ mwtZi c0qum Kiv hvq, ej b?

Z`c1 : 1

- mslvZ mvaKf`i Rxbx m'wj Z Z`t-**

Z`c1 : 2

- Ab" w elq wkÿv`vfb mslMxZi e`envi**

ælq : ab aþ" cý fiv

gj-fie:

ersjv`tki RvZxq MmZ `ab avb` cyu fiv0 Mvbu Kie wtr>`jvj iWZ AZ`sl Rbucq GKU
f`kvZ#eva Mv| GB Mtb Rb#figi tk0tZi Ome AvktZ c0KwZK tms`h0Y0vi c1kvcvk uc0Rtbi
ggZvgrLv ifcuUtz AZ`sl`it`i mt_ ewZ ntqtQ| mtefcwi `c0g Ges `sz tewZ uc0 Rb#figi
c0kmsl GB MvbuUtz wtkl ghP v w`tqtQ|

wkLbdj :

GB Awatekb tktl AskMhbKvi xMb N

1. c0gZ D`PvitY Ave#E Kitz cvi teb
2. gj-fie Dcj wa Kitz cvi teb
3. Mtb c0KwZ. Zvj , Q> , m#utK0ej tz cvi teb
4. i x my l Zvtj Mvbu Mbtz cvi teb|

DcKiY :

nvi tgnbqvg, Zejv, Mtb K_v l `fij uc, Z_`cI, gvK0, gwi0ngwqv, c0RK0i, tcv=vi tccvi,
mvBb tcb|

cxiZ l tk0kj :

Avtj vPbv, `j xq K1R, Abkxj b|

Awatektbi weiy :

K1R-1 : c0gZ D`PvitY Ave#E Kitz cvi v

mgq : 15ngubu

- Awatektbi iiatZ mevBtK itf`Qv Rmbtq Kkj wnbqg Kiteb
- tcv=vi tcciti wj tL A_ev gwi0ngwqvi gva`tg Mvbu c0k0 Kiteb

- mevBtK MvbiU cotZ ej teb
- Gevi KtqKRbtK cġZ D"PriŕY MvbiU AveŕĒ KiŕZ ej teb Ges D"PriŕY tKvb mgm"v
_vKtj Zv ũbtR A_ev tKvb AskMĥYKvixi mnvqZvq i x Kti w teb
- cġZ D"PriŕY ggĒ Ges Q` eRvq tiŕL MvbiU AveŕĒ Kiŕeb Ges mevBtK i bŕZ ej teb
- cġqvRb ntj mnvqZv Kiab Ges cġsmv Kti tkl Kiŕeb|

KvR-2 : Mtbi cġvZ.Zvj, Q`, mŕúŕKĒj ŕZ cviv

mgq : 15vqubU

- AskMĥYKvixŕ` i Dŕŕŕk" ũbtPi cġġtjv Kiŕeb-
N MvbiU tKvb aiŕbi?
N GvU tKvb Zvŕj ũbex?
N MvbiUi Q` tKgb?
- ej ŕZ cviv cġsmv Kiŕeb, Ab" AskMĥYKvixŕK w ŕq A_ev ũbtR eŕj w teb
- `v` iv Zvj ũU evŕŕŕq Zvj I Qŕ` i cġqvM ŕ`Lvŕeb|

KvR-3 : i x mŕj I Zvŕj MvbiU MvBŕZ cviv

mgq : 1Nbv

- MvbiU tKvb Zvŕj ũbex I KZ gvŕvi wK Q` Zv nvZZvŕj w ŕq evŕŕq w teb Ges mKj ŕK
w ŕq 2/3 evi Abŕŕj b Kiŕeb
- mŕwK mŕj-Zvj eRvq tiŕL mŕúŕMvbiU 3/4 evi tMŕq tkvŕŕeb
- Gevi AskMĥYKvixŕ` iŕK Avcbvi mŕŕ_ MvbiUi cġg Ask KtqKevi MvBŕZ ej ŕy Ges nvŕZ
Zvŕj w ŕq Zvj ivLŕZ ej teb
- Mvŕbi ũŖZxq Ask AskMĥYKvixŕ` iŕK Avcbvi mŕŕ_ MvBŕZ ej teb
- cġg I ũŖZxq Ask GKŕŕ Avcbvi mŕŕ_ MvBŕZ ej teb Ges Kvŕiv mgm"v _vKtj mnvqZv
ŕ`teb
- GKBFvŕte MvbiUi ZZxq Ask Avcbvi mŕŕ_ 2/3 evi mevBtK MvBŕZ ej teb Ges nvŕZ Zvŕj
w ŕq Zvj ivLŕZ ej teb
- Mvŕbi 4_ŕ 5g Ask I Avcbvi mŕŕ_ Ges Zvj tiŕL mevBtK MvBŕZ ej teb
- mŕúŕMvbiU 2/3 evi mevBtK ũbtq MvBŕeb

- AskMñYKvi x` i tK mgteZfvte Mvbw MvBtZ ej teb
- 4/5 RbtK GKKfvte Mvbw MvBtZ ej teb Ges Ab` t` i tK i b tZ ej teb | Zvj I mj wK bv n t j wK K t i t` teb |

gj`vqb :

mgq : 15 ugwbU

2/3 RbtK Mvbw MvBtZ ej teb |

^Abvšb :

MvbwU cKwZ. m`u tK`PŠi Ki ab Ges mj I Z t j i `eukó" m`u tK`Fvte |

Z_cī :

- cāgZ D"Pvi tY AveŃĒ Mvbi Ab`Zg kZ, Mvbi fiev_ AveŃĒi gta" `úó n tq I tV/ mnvqK AskMhYKvix` i AvMh mjo i Rb` Mvb ubtR AveŃĒ Ki tēb Ges AskMhYKvix` i w` tqI AveŃĒ Ki tēb/
- GB MvbiU MvBevi mgq D"Pvi tYi w` tK wētkl mZKZv Aej =b Ki tZ nte/ ōt` kō tK ō` vkō ej v Pj te bv/ ōZwōrō I ōcivnoō D"Pvi tY wRtfi cvZvq Dtēv w` K w` tq Dcti i gmo tZ AvNvZ Kti ōoō ej tZ nte/ ōdžō D"Pvi tYi mgq `ōtUv tVw wgvij tq ōdō ej tZ nte/ P, Q, R, h D"Pvi tYi mgq Dcti i `tZi gmo fivj fivte tPt c evZv tmi c_ AvU tK w` tZ nte/ ōaō, ōfō, ōSō, ōXō D"Pvi tYi mgq tLqvj ivL tZ nte thb G_ t j v ō` ō, ōeō, ōRō, ō` ō Gi gZ bv tkvbrq/ ōetjō D"Pvi Yw ōtevK tLō Ki tZ nte/
- MvbiU Zi j `v` iv/ j q ga`/
- `v` iv Zi j : 3 + 3 = 6 gvĪv

$$\begin{array}{r}
 + \qquad \qquad \qquad 0 \\
 av \quad wa \quad bv \quad | \quad bv \quad wZ \quad bv \quad | \\
 \\
 1 \quad 2 \quad 3 \quad | \quad 4 \quad 5 \quad 6 \quad |
 \end{array}$$

veiq : GB myi dj myi dj

Avatekb : 18

mgq : 1 Nbu 45 ngubu

gj-fie:

Kue KVRx bRiaj Bmjvtgi GKUW RbucQj Bmjvgr Mvb OG B myi dj myi dj 0 | GuU Avj mni
bevPK Mvb ev nig& | uZub gvblytK eu gj-evb mru` vb KtiQb, hv gubtj i RxebtK mgx Ges
gungwSZ KtiQ | Avgiv Avj mtK gmb ev bv gmb, uZub Zvi `qvcEvn eU Ktib bv | Zvi Amxg
`qv-`vryb" fij eimvi fir³cY^eY⁰v i tqtQ GB Mvrb |

ikLbdj :

GB Avatekb tktl AskMhbKvi Mb N

1. cigZ D"Prity Mvbu AveE Kitz cvi teb
2. gj-fie Dcj wa Kitz cvi teb
3. Mvbi cKwZ, Zvj, Q,`, ej tZ cvi teb
4. i x mji I Zvtj Mvbu MvbtZ cvi teb |

DcKiY :

nvi tgvmbqvg, Zej v, tnvqvBU tevW^ogvK⁰, mvBb tcb, gvneugwq, c⁰RK⁰i, tcv=vi
tccvi |

cxwZ I tkKj :

`tj KVR, Avtj vPbv, Dc`lcb |

Avatekbi veiy :

KVR-1 : cigZ D"Prity AveE

mgq : 10ngubu

- Avatekbi i iatz mevbtK itf"Qv Rvmtq Kkj weibgg Kiteb | Mvbuji MxwZKvi I mjkvi
tK Zv RvbtZ PvBteb

- MvbiU AskMhYKvixt` i tkvbr_vKtj 2/4 j vBb ej tZ ej teb
- tcv÷vi tccvfi tj Lv MvbiU c0 k0 Kiab| gmeëngmWqvi gva`tgI t`LvZ cvfi b
- m=úY@MvbiU fvev_@Rvq ti tL vbR 2/3 evi AvevE Kti tkvbrteb
- AskMhYKvixt` i vbq AvevE Ki teb
- 5/6 RbtK AskMhYKvixt` i MvbiU AvevE Ki tZ ej teb Ges Ab`iv i bteb
- D`Pvi tY tKvb mgm`v_vKtj i x Kti t` teb
- mKj tK ab`ev` Rvbq tkl Ki teb|

KvR-2 : Mtbi cKwZ, Zvj , O` , m=úK@ej tZ cviv

mgq : 15vrbU

- OmvbiUi cKwZ, Zvj , O` , m=úK@Avgrt` i avibr wK0 ckw tcv÷vi tccvfi A_ev gmeëngmWqvi gva`tg Dc`vcb Ki teb
- AskMhYKvixt` i tK cikvcvuk 2/3 RbtK Avtj vPbv vbR vbR LvZvq vj LtZ ej teb
- tj tL tktl KtqKRbtK Dc`vcb Ki tZ ej teb Ges Ab`iv vgvj tq tteb
- Dc`vcb tktl gjfve/Z`cfti Avj tK e`vLv w`tq `úo avibr t` teb
- Kvnvi ev Zvj wU nvtZ Zvj w`tq t`wL tq t` teb Ges ej teb nvg& MvBevi mgq ev`hšje`envi Kiv nq br|

KvR-3 : i x mji I Zvtj MvbiU Mb tZ cviv

mgq : 1Nbv 10 vrbU

- MvbiU tKvb Zvtj i Ges KZ gvIvi wK O` Zv nvtZ Zvj w`tq ev tZ t` teb Ges 2/3 evi Abkxj b Ki vteb
- mWk mji, Zvj , eRvq ti tL Avcvb vbR m=úY@MvbiU 3/4 evi tMtq tkvbrteb
- OGB mji i dz ----- gmb Pvb br tLv`v tZvgvi tgnierbx0 GB `B Astk Avcbvi mvt_ mevBtK Mb tZ ej teb Ges 3/4 evi Mb tteb
- AskMhYKvixt` i tK GKmvt_ 2/3 evi Mb tZ ej teb
- OtLv`v tZvgvi úKq ----- evvI G ev`vq0 GB `B j vBb Avcvb vbR 2/3 evi tMtq tkvbrteb Ges mevBtK mvt_ vbq 2/3 evi Mb tteb

- MvbiUi cŭg t_#K ōevPvI G ev`vqŭ chšÍ AskMhYKvixt`i mvt_ wbtq MvBteb Ges Zvt` i#K mgteZfvte 2/3 evi MvBtZ ej teb
- Ō#kŌ bex w`tj ----- cvK tKvixtbi evYx tLv`v tZvgvi tgnievbxŌ chšÍ tkl wZb jvBb mKj #K mvt_ wbtq 2/3 evi MvBteb| AskMhYKvixt` i#K mvt_ wbtq m#úY©MvbiU 2/3 evi MvBteb| Ges i'ayZvt` i#K mgteZfvte 2/3 evi MvBtZ ej teb
- 5/6 Rb#K m#úY©MvbiU MvBtZ ej teb Ges Ab`#`i i'btZ ej teb| Zvj I m#j mgm`v _vKtj wK Kti t`teb|

gj`vqb :

mgq : 10vqvBU

2/3 Rb cŭkŭYv_#K MvbiU MvBtZ ej teb|

Abvšb :

MvbiUi cŭkŭZ. m#ú#K#PšÍ Kiab Ges m#j I Zvtj i `evkŌ" m#ú#K#Fvety|

Z_cŭI :

- cŭgZ D"PvixtY Avev#E Mvbi Ab`Zg kZ,©Mvbi fiev_#Avev#Ei gta` `úŭ ntq I#v| mnvqK AskMhYKvixt`i AvMh m#jŌi Rb` Mv wbtR Avev#E Ki teb Ges AskMhYKvixt`i w`tqI Avev#E Kivteb|
- ŌdjŌ, Ōdj Ō, Ōdmj Ō BZ`w` k# D"PvixtYi mgq ŌdŌ-Gi wv qvU w#kI fvte tLqvj ivL#Z nte| ŌtZvgvi Ō, ŌtLv`vŌ, ŌtivrŌ, ŌtKvixtbi BZ`w` k# ,tjv D"PvixtYi mgq tLqvj ivL#Z nte thb G ,tjv ŌZvgvi Ō, ŌLŭŌ, Ōi#RŌ, ŌKjvŌ-Gi gZ bv tkvrvq|
- MvbiUi Zvj Kvnviev| wKš`nvg& MvBevi mgq mPivPi ev`hšje`envi Kiv nq bv| ZvB MvbiU `eZv#j K cwi t#kZ nq|

veIq : miMg Abkxj b

Awatekb : 19

mgq : 90 ugubU

gj-fie:

KtÚ mij bv j vMtj Mvb MvI qv hvq bv | Mvb MvBeri Rb" me@Útg c@qvRb ^†ij wci mij, ij KtÚ avi Y
I Zvi wbgqZ Abkxj Y | GKRB wKix c@Zw b wbgg Kti ^† mvabr Ki teb | ^†_R wKix wntmte
c@Zôv tctZ PvbTj A_ev gtbí Avb†`I hw` tKB Mvb Ki tZ Pvb Zvi Rb`I `iKvi GKwU m†ij v
KÚ | miMg Abkxj b GKwU wbi šli c@qv |

wKLbdj :

G Awatekb tk†I AskMhYKvi wMY-

1. miMg Kx Zv ej tZ cvi teb |
2. Kxfvte miMg Abkxj b Ki tZ nq Zv c@qvM Ki tZ cvi teb |

DcKiY :

nvi tgnwbqvg, Zej v, tnvqvBU tevW, gvK†, Z_`cÎ, tcvóvi tccvi, mvBb tcb, gwiëwgvWqv

c×vZ I tKŠkj :

`tj Avtj vPbv, tRvovq Kvr, Abkxj b |

Awatek†bi weeiY :

Kvr-1 : miMg wK Zv ej tZ cviv

mgq : 10 ugubU

- AskMhYKvi x†`i i†f"Qv I Kkxj wwbgtqi gva"tg Awatekb i i@Ki teb
- Ômi Mg Kx?0 c@wU gwiëwgvWqvq c@ k@ Kti Dc`rcb Ki teb
- hw` miMg m@ú†K@Kvi I avi Yv _v†K Zv†K mvgtb G†m e"vL"v Ki tZ ej teb

- AskMhYKvixt`i mbKU t_tK DEi crevi ci Z_cTÎi Avtj vtK Avtj vPbv mgx Ki teb Ges gmeigWvq GkuU msAv c0 k0 Ki teb | c0qvRtb AskMhYKvixi v msAvU uj tL wteb

KvR-2 : miMg Abkxj tbi c0qM

mgq : 60 ugubU

- miMg ,tjv Z_cTÎ t_tK chqumtg tevtW9j Lteb, evStq w`teb, wbtR MvBteb
- nvi tgm bqvg emRtq AskMhYKvixt`i mevBtK wbtq Zvj eRvq ti tL miMg ,tjv Kgctj 10ugubU Abkxj Y Kivteb
- AskMhYKvixt`i 5uU `tj fivM Ki teb | c0Z`K `j tK chqumtg mvgtb Gtb miMg Abkxj b Kivteb
- 2Rb Kti Kv tQ Gtb Abkxj b Kivteb
- 1Rb Kti Kv tQ Gtb Abkxj b Kivteb
- Mj vq mj j vM tQ wK bv Zv t` Lvi Rb` 2/4RbtK nvi tgm bqvtgi mxi i mv t_ MvBtZ ej teb
- Kv tiv A`u0Zv _vKtj Zv i x Kti w`teb |

gj`vqb:

mgq : 20 ugubU

1. KtqKRbtK nvi tgm bqvg emRtq miMg MvBtZ ej teb

Z_cĪ :

□ **miMg :** Mvb ev Avj v̄tci mgq wKQzAsk mv, ti, Mv, gv BZ`w` ˘fi v̄tj #Li gva`tg i v̄M cKvkv̄t_`ev tmš`h`e`x`i Rb` MxZ nq Bv̄tK miMg etj |

□ msMx̄tZi tgvU 12uU ˘fi i gta` 7uU i x ˘f I 5uU weKZ. ˘f | mv I cv Qvov evwK 5uU ˘f weKZ | 7uU i x ˘fi i msw̄yB bvg mv, ti, Mv, gv, cv, av, vb | mv t_`tK vb chS`iGB 7uU i x ˘f tK GK K_vq mBK etj | mBK mvaviYZ 3 cKvi | thgb- D`viv, ḡyiv I Zviv |

5uU weKZ. ˘f ntj v- ti=F, Mv=Áv, gv=ȳv, av=`v, vb= Yv | 5uU weKZ. ˘fi i gta` 4uU ˘f tK (F, Áv, `v, Yv) tKvgj ˘f ej v nq Ges evwK 1uU ˘f ðgvó`tK (Fv) Kwo ev Zxe^a ga`g ej v nq |

• **Av̄tinvY I AētinvY :**

˘fi i µgvš`tq D×⁹MwZi bvg ōAv̄tinvYō | thgb- mv ti Mv gv cv av vb m̄ | vb=ōwZi bvg ōAētinvbō | thgb- m̄vb av cv gv Mv ti mv |

Av̄tinvb- mv ti Mv gv cv av vb m̄ |
Aētinvb- m̄vb av cv gv Mv ti mv |

1/	1	2	3	4	5	6	7	8
	mv	ti	Mv	gv	cv	av	vb	m̄
	m̄	vb	av	cv	gv	Mv	ti	mv

2/	1	2	3	4
	miv	Mgv	cav	bm̄
	m̄v	acv	gMv	imv

*GK gv̄vq GKwU ˘f DEgi`c PPA cti GKwU gv̄vq `Bw Kti ˘f tkLv̄teb | thgb-

3/	1	2	3	4	5	6	7	8
	Ōmmmv	iiiv	MMMv	gggv	cccv	aaav	bbbv	m̄m̄m̄m̄
	m̄m̄m̄m̄	bbbv	aaav	cccv	gggv	MMMv	iiiv	mmmvŌ

*GKwU gv̄vq GKwU ˘f wZbevi Kti `v & v Zv̄tj i Q̄` tM̄tq tkvb̄teb I tkLv̄teb |

4/	1	2	3	4	5	6	7	8
	Ōmmmmv	iiiiiv	MMMMv	ggggv	ccccv	aaaav	bbbbv	m̄m̄m̄m̄m̄
	m̄m̄m̄m̄m̄	bbbbv	aaaav	ccccv	ggggv	MMMMv	iiiiiv	mmmmvŌ

*3bs mvi Mvg Gi vbqgv̄vq Kiv̄vi iv Zv̄tj i Q̄` tkLv̄teb |

cĪZv̄ b vbqvgZfute Dc̄tiv³ miMg , t̄jv Ablyj Y KitZ nte |

veiq : Avb` t j vK g1/2j v j vK

Avatekb : 20

mgq : 60 vgvbu

gj-fie:

fRbiv1/2i GB MvbiU tZ m'vi veifbæmip tK e`bvi ga`tg insmv-vef0I nxb GKiu myi cu_ex Movi cZ`q e`3 Kiv ntqtQ| vekpvt0i mKj mup GKgvI m'vi B Ae`vb| m'vi mKj mup B vBR vBR Ae`v t t_K cu_exi Kj`vY mva t b iZ| m'vi AvikeP intmte gvbeZvi Kj`vY hv vKQyc0qvRb Zv GB cu_ex tZ Kiv ntqtQ mnRj f`| Kve, iæ iex`bv_ VvKz GB c0_0v msMxZvU tZ mupKZP GB Amxg Ki` Yri `vbtK mgeU tbi gva`tg gvbeZvi Kj`vY e`envti D0y Kivi c0vm tctqtQb|

ikLbdj :

G Avatekb tk tI AskM0bKvi vMb N

1. c0gZ D`Pvi tY MvbiU AvevE Ki tZ cvi teb
2. gj-fie Dcj va Ki tZ cvi teb
3. Mvbi cKvZ, Zvj, Q` ej tZ cvi teb
4. i x mji I Zvtj MvbiU MvB tZ cvi teb

DcKiY :

nvi tgvbqvq, Zej v, trnvqBU tevW, gvKp, gvievigvWqv c0R±i, tcv÷vi tccvi, mvBbtcb|

c0vZ I tKŠkj :

`tj KvR, Av t j vPbv, Dc`vcb

Avatektbi veeiY :

KvR-1 : c0gZ D`Pvi tY AvevE

mgq : 10 vgvbu

- mevBtK i t f " Qv Rvbtq Kkj weibgtqi gva t g Avatekb i i a Kiteb | c k a Kiteb - MvbiUi MvZKvi I mjKvi tK?
- Z _ c I t _ t K 0Avb > t j v t K g 1/2 j v t j v t K 0 MvbiU c 0 Z " K AskMhYKvi x t K w t q w t e b Ges KtqKevi cotZ ej t e b |
- tcv ÷ vi tccr t i w j t L A _ ev gvi e n g u w qvi gva t g MvbiU c 0 k 0 Kiteb
- c t j i v MvbiU w b t R f i e v _ e R v q t i t L ` B j w Z b e v i A v e u E K t i t k v b t e b
- AskMhYKvi x t ` i mevBtK w b t q c t j i v MvbiU A v e u E K i t e b
- 5/6 Rb AskMhYKvi x t K MvbiU A v e u E K i t Z e j t e b Ges D " P v i t Y m g m v v _ v K t j i x K t i w t e b

KvR-2 : Mtbi ckwZ, Zvj, Qv` m a u t K e j t Z c v i v |

mgq : 10 w g u b U

- MvbiUi c k w Z . e v a i Y , 0 Z v j , Q v ` m a u t K e A v g i v K x R v b 0 c k w t c v ÷ v i t c c r t i A _ e v g v i e n g u w q v i g v a t g D c v r c b K i t e b
- AskMhYKvi x t ` i c v k v c v k 3 R b t K A v t j v P b v K t i D E i _ w j w b R w b R L v Z v q w j L t Z e j t e b
- t j L v t k t l K t q K R b t K D c v r c b K i t Z e j t e b
- D c v r c b t k t l g j - f i e / Z _ c t i A v t j v t K e v L v K t i a v i Y v u o K i t e b

KvR-3 : i x m t j I Z t j M v b i U M v B t Z c v i v |

mgq : 35 w g u b U

- MvbiU t k v b Z v t j w b e x I K Z g v i v i w K Q v ` Z v AskMhYKvi x t ` i n v t Z Z w j w t q e n S t q w t e b Ges m K j t K w b t q 2/3 e v i A f i m K i v t e b |
- m w K m j - Z v j e R v q t i t L m a u t K M v b i U 3 / 4 e v i t M t q t k v b t e b |
- 0Avb > t j v t K g 1/2 j v t j v t K w e i v R m Z " m y i 0 G B c 0 g ` B j v B b m e v B t K A v c b v i m v t _ M v B t Z e j t e b |
- 0 g i n g v Z e ----- t e w Z P i t Y 0 c h S i ` B j v B b A v c b v i m v t _ M v l q v t e b |
- K v t i v M v B t Z A _ e v m j - Z v t j i m g m v n t j Z v t K e v Z v t ` i t K c y i v q M v l q v t e b |
- 0 M h Z v i K P v ` Z c b ----- A q q w K i t Y 0 G B ` B j v B b m e v B t K w b t q M v l q v t e b |
- c y i v q c 0 g t _ t K Q q j v B b m e v B t K w b t q M v B t e b |

- Òai Yx Ūci ----- mÿi ei tYÓ GB `B j vBb mevBtK wbtq MvI qvteb|
- Òetn Rxeb ----- Rbtg gi tYÓ GB `B j vBb mevBtK wbtq MvI qvteb|
- cYivq cŭg t_ tK `k j vBb mevBtK wbtq MvBteb|
- Òtcŭg `qv ----- mšlcni tYÓ GB `B j vBb mevBtK wbtq MvI qvteb|
- ÒRMtZ Ze ----- wbfŕki tYÓ GB `B j vBb mevBtK wbtq MvI qvteb|
- cYivq mꝑúYŕMvbiU cŭg t_ tK tkl chšl mevBtK wbtq MvBteb|
- 5/6 RbtK MvbiU MvBtZ Ges Ab`t`i i`btZ ej teb| Zvtj I mŕi wK bv ntj wK Kti w`teb|

gj`vqY :

mgq : 5 vgvbu

`B/wZb Rb AskMŕYKvi tK MvbiU MvBtZ ej teb|

^Abŕšb :

MvbiUi cKwZ. mꝑúKŕPšl Kiab Ges mŕi I Zvtj i `enkó` mꝑúKŕfveb|

Z_cŭl :

- cŭgZ D`Pvi tY AveŕĚ Mvbi Ab`Zg kZ, Mvbi fvev_ AveŕĚi gta` ūó ntq I tV| mnvqK AskMŕYKvi tK`i AvMŕ mŕi Rb` Mvb wbtR AveŕĚ Ki teb Ges AskMŕYKvi tK`i w`tqI AveŕĚ Ki vteb|
- GB MvbiU tZ ōg½j vtj vtKŌ D`Pvi tYi mgs ōtgv½j vtj vtKŌ Ges ōmZ`Ō D`Pvi tYi mgq ōtmvZ tZvŌ D`Pvi Z nte| ōdžŌ ktã ōdŌ-Gi D`Pvi Y wKgz nI qv PivB| ōD`mZŌ, ōtkvfvŌ, ōfv³Ō, ōfgrŕú`Ō cŕwZ ktã ōfŌ-Gi D`Pvi Y thb ōeŌ-Gi gZ bv ntq hvq tmw tK j 9` i vL tZ nte|
- MvbiUi Zvj GKZvj | j q ga`|
- GKZvj : 3 + 3 + 3 + 3 = 12 gvŭv

$$+ \quad \quad \quad 3 \quad \quad \quad 0 \quad \quad \quad 1$$

wab& wab& av | av _b& bv | Kr Zv avtM | tZtU wab& av |

1 2 3 | 4 5 6 | 7 8 9 | 10 11 12 |

veiq : Avj m&tgN t` cub t`

Avatekb : 21

mgq : 60 ugubU

gj-fie:

Giu GKiu cam x tj vKmsMxZ | M&tsi KivduUv tivt` Liv n'tj epi Rb` Avgvt` i M&gxb mgvR th nvnvKvi Zvi Qme GB MvbuUtz aiv ctotQ | cj Kwe RmxgDvil tbi Ob x Kivi gvV0 Kite` epi Rb` gvMb Mvbi th eY0v AvtQ Zvi m1/2 GB Mvbi ngj itotQ | Avgvt` i t`tk Pvl evtmi Amjeav Avi Mitgi Ktoi GKiu ev`e Qme dtu DvtQ MvbuUtz | 0Avj m&tgN t`0 K_vuU Nvj tq vdvitq bvbv mxi ej tZ Pvl qvi AvKjZiUkyPgrKvi dtu DvtQ tj vKmti i GB Mvbi |

vkLbdj :

G Avatekb tktl AskM&bKvi xMb

1. ctgZ D`Pvi tY MvbuU AvevE Kitz cvi teb
2. gj-fie Dcj va Kitz cvi teb
3. Mvbi cKuz, Zvj, 0` ej tZ cvi teb
4. i x mxi I Zvtj MvbuU MvBtz cvi teb

DcKiY :

nvi tgnvbqvg, Zejv, trvqvBU tevW, gvK&, gvi&ngvWqv c0R±i, tcv÷vi tccvi, mvBbtcb |

c0vZ I tK&j :

`tj KivR, Avtj vPbv, Dc`lcb

Avatektbi veiy :

KivR-1 : ctgZ D`Pvi tY AvevE

mgq : 10ugubU

- mevBtK itf`Qv Rvbtq Kkj vevgtqi gva`tg Avatekb iia Kiteb | ckaKiteb-MvbuU MxiZKvi I mxiKvi tK?

- Z_cĪ t_ŕK ÒAvj ŵ tgN t`Ó MvbiU cŕZ`K AskMŕYKviŕK ŵ`ŕq ŵ`ŕeb Ges KŕqKevi coŕZ ej ŕeb|
- ŕcv÷vi tccŕŕi ŵj ŕL A_ev gŵŕŕŕŕŵŵqvi gva`ŕg MvbiU cŕ kŕ Ki ŕeb
- cŕji v MvbiU ŵbŕR fŕev_`eRŕq ti ŕL `B ŵZbevi AveŵĒ Kŕi tkŕvŕŕeb
- AskMŕYKviŕ`i meŕBŕK ŵbŕq cŕji v MvbiU AveŵĒ Ki ŕeb
- 5/6 Rb AskMŕYKviŕK MvbiU AveŵĒ Ki ŕZ ej ŕeb Ges D`PŕiŕY mgm`v _vKŕj i`x Kŕi ŵ`ŕeb

KŕR-2 : Mŕŕbi cŕkŵZ, Zŕj, Œ` m`úŕK`ej ŕZ cviv|

mgq : 10 ŵŕŕbU

- MvbiUi cŕkŵZ. ev aiY, ÒZŕj, Œ` m`úŕK`Avŕgŕv Kx RŵbŒ cŕkŵ ŕcv÷vi tccŕŕi A_ev gŵŕŕŕŕŵŵqvi gva`ŕg Dc`ŕcb Ki ŕeb
- AskMŕYKviŕ`i cvkŕcvk 3 RbŕK Avŕj vPbv Kŕi DĒi ŵj ŵbR ŵbR LvZŕq ŵj LŕZ ej ŕeb
- ŕj Lv tkŕl KŕqKRbŕK Dc`ŕcb Ki ŕZ ej ŕeb
- Dc`ŕcb tkŕl gj-fŕe/Z_` cŕĪi Avŕj vŕK e`vL`v Kŕi avi Yv`úó Ki ŕeb

KŕR-3 : i`x mŕj I Zŕŕj MvbiU MŕBŕZ cviv|

mgq : 35 ŵŕŕbU

- MvbiU ŕKŕv Zŕŕj ŵbex I KZ gŕĪvi ŵK Œ` Zv AskMŕYKviŕ`i nŕŕZ Zŕŵj ŵ`ŕq eŵŕŕq ŵ`ŕeb Ges mKj ŕK ŵbŕq 2/3 evi Af`ŕm Ki vŕeb|
- mŵK mŕj-Zŕj eRŕq ti ŕL m`úŕY`MvbiU 3 / 4 evi tMŕq tkŕvŕŕeb|
- Òŕŕj v ŵŒŕŕi ----- Avj ŵ tgN t`Ó GB cŕg Pŕi j vBb meŕBŕK Avcbŕi mŕŕ_ MŕBŕZ ej ŕeb|
- ÒAvmgŕv nBj ----- tZŕi K`ŵŵŒ chŕŕ`B j vBb Avcbŕi mŕŕ_ Mŕl qŕŕeb|
- cŕŕi vq cŕg t_ŕK Œq j vBb meŕBŕK ŵbŕq MŕBŕeb|
- Kŕŕi v MŕBŕZ A_ev mŕj-Zŕŕj i mgm`v nŕj ZŕŕK ev Zŕŕ`i ŕK cŕŕi vq Mŕl qŕŕeb|
- Ònŕŕj i Mi`evBb&v ----- i vBb&vŒ GB `B j vBb meŕBŕK ŵbŕq Mŕl qŕŕeb|
- ÒdvBŕv dvBŕv ----- c`Lx Rj ŵŒŒ GB `B j vBb meŕBŕK ŵbŕq Mŕl qŕŕeb|
- cŕŕi vq cŕg t_ŕK `k j vBb meŕBŕK ŵbŕq MŕBŕeb|

- ÒKtciZ KtciZx ----- Sui qv Sui qvÓ GB `B j vBb mevBtK wbtq MvI qvteb|
- ÒAvg ciZv ----- civtKŠox gti Ó GB `B j vBb mevBtK wbtq MvI qvteb|
- cyivq m^úY⁹MvbiU cŭg t₋tK tkl chŠí mevBtK wbtq MvBteb|
- 5/6 RbtK MvbiU MvBtZ Ges Ab^ˆt^ˆi i^ˆbtZ ej teb| Zvtj I m^ˆji wK bv ntj wK Kti w^ˆteb|

gj^ˆvqY :

mgq : 5 vqibU

2/3 Rb AskMhYKvi xt^ˆK MvbiU MvBtZ ej teb|

ˆ^ˆAbv^ˆšb :

MvbiUi cKwZ.m^útK⁹PSí Ki ab Ges m^ˆji I Zvtj i ^ˆenkó^ˆ m^útK⁹Fveb|

Z^ˆcĬ :

- cŭgZ D^ˆPri tY Ave^ˆE Mv^ˆbi Ab^ˆZg kZ^ˆ,Mv^ˆbi f^ˆvev^ˆ Ave^ˆEi gta^ˆ ^ˆúó ntq I tV| mnvqK AskMhYKvi xt^ˆi AvMh m^ˆji Rb^ˆ Mv^ˆb wbtR Ave^ˆE Ki teb Ges AskMhYKvi xt^ˆi w^ˆtqI Ave^ˆE Ki vteb|
- cŭgZ D^ˆPri Y ōtgNŌ ntj I GB MvbiU tZ ōg^ˆvNŌ D^ˆPri Y Kiv nq Mŭgv^ˆĀtj c^ˆŭj Z D^ˆPri Y Abv^ˆY Kti | Mŭgxb D^ˆPri tYi m^ˆt₋m^ˆz t^ˆtL ōevBb^ˆvŌ, ōdvB^ˆvŌ c^ˆŭZ k^ˆe^ˆenvi Kiv ntqtQ| G Mv^ˆbi Rb^ˆ GwU ^ˆYxq bq|
- MvbiUi Zvj K^ˆnvie^ˆv| j q ga^ˆ|
- K^ˆnvie^ˆv Zvj t : 4 + 4 = 8 gvĬv

+					0				
av	tM	tZ	tU		bv	tM	wa	bv	
1	2	3	4		5	6	7	8	

ielq : Aivvi tmubvi eisjv l ab avb` cyu fiv Mub `ny cYt Abkyj b

Avatekb : 22

mgq : 1 N>Uv 30 igvbU

veiq : Avj m&gN t` cw b t` MbiUi cYt Abkxj b

Avatekb : 23

mgq : 30 igubU

welq : AskM̈YKviɣt̄ i cviMZv gj̄-vqY I c̈k̈ŋẗbviĒi gj̄-vqb

Awatekb : 24

mgq : 60 wgbU

gj̄-fie:

c̈ZwU c̈k̈ȳt̄Y cviMZv I c̈k̈ŋẗbviĒi gj̄-vqY GKwU c̈q̈vRbxq A½ | cviMZv gj̄-vq̄t̄Yi gvātg AskM̈YKviɣi c̈k̈ȳY cieZr̄° ȳZv hvPvB Kiv hvq | GLv̄t̄b GKwU w̄b̄ ̈ Q̄t̄Ki gvātg G gj̄-vqY Kiv n̄te |

wkLbdj :

GB Awatekb tk̄t̄l AskM̈bKviɣMb Ñ

1. msMxZ wel̄t̄qi gj̄-vqY QK wētk̄t̄Y Kīt̄Z cvīteb |
2. AskM̈YKviɣt̄ i msMxZ wel̄t̄qi `ȳZv gj̄-vqY Kīt̄Z cvīteb |
3. c̈k̈t̄YvĒi gj̄-vq̄t̄Y AskM̈Y Kīt̄Z cvīteb |

DcKiY :

nvītgw̄bqvg, Zejv, Mv̄t̄bi evYx, cviMZv gj̄-vqY QK, c̈k̈ȳt̄YvĒi gj̄-vq̄t̄Yi c̈k̈ēĀ

c̄x̄v̄Z I t̄K̄š̄kj :

GKK KvR, Dc̄-vcb |

Awatek̄t̄bi wēiY :

KvR-1 : msMxZ wel̄t̄qi gj̄-vqY QK wētk̄t̄Y Kīt̄Z cvīv

mgq : 10 wgbU

- ̈Gj̄-vqY Kx? t̄Kb Kiv nq?̈ c̈k̈ē`̈ ḡw̄īēw̄ḡw̄w̄qv A_er t̄cv̄=vi t̄ccv̄t̄i Dc̄-vcb Kīteb Ges AskM̈YKviɣt̄ i c̈B̄ DĒi w̄b̄t̄q Av̄t̄j vPbv Kīteb
- AskM̈YKviɣt̄ i 4wU `t̄j f̄vM Kīteb Ges c̈Z̄-K `t̄j GKwU K̄t̄i gj̄-vqY QK w̄t̄q w̄teb, `t̄j Av̄t̄j vPbv K̄t̄i gj̄-vqY Q̄t̄Ki ēvL̄v w̄t̄Z ej̄teb, c̈q̈vR̄t̄b m̄t̄hv̄MZv Kīteb |

KvR-2 : msMxZ wel̄t̄qi `ȳZv gj̄-vqY

mgq : 40 wgbU

- Z_ c̄Ā t_ t̄K gj̄-vqY Q̄t̄Ki d̄t̄UvK̄w̄c̄ K̄t̄i w̄teb
- AskM̈YKviɣt̄ i Ḡt̄K Ḡt̄K bvg at̄i W̄w̄K̄teb Ges w̄bāw̄ī Z Mv̄t̄bi th t̄Kvb GKwU c̄w̄ītekb Kīt̄Z ej̄teb

- QK Abhyvqx gj-ıvqY Kti cÖB gıv ıbnıÖZ Kiıeb|

KıR-3 t cÖkÿıYvEi gj-ıvqıY AskMÖY KiıZ cviv

mgqt 10 ıgıvU

- Z_cıı t_ıK cÖZ_K AskMÖYKviıK gj-ıvqYcıı mieivn Kiıeb
- gj-ıvqYcııı ıbt`Rbv Abhyvqx ıbaııi Z_ıııb DEi ııj LıZ ej ıeb
- DEicıı msMÖ Kiıeb, gj-ıvqY Kiıeb Ges cieZııZ djıdj Rııbtq ıı ıeb|

Z_cıı :								
gj-ıvqY cıı-								
μ : bs	ıkyı_xıı bıg l ııKııvı	AveııE (5)	D`Pvi Y (5)	mıı (5)	Zıı (5)	Dc_ııcb (5)	ıgıvU cÖB bııı(25)	cÖB gıv
1								
2								
3								
4								
5								
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8								
9								
10								
11								
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15								
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18								
19								
20								

Aıııtekb-1 Gi Z_cıı cÖE gj-ıvqYcıı Abıııııı cÖkÿıYvEi gj-ıvqY KiıZ nıe|

velq : mvs`uZK Abgub

Avatekb : 25

mgq : 1 NvUv 15 vgvbu

gj-fie:

msMxZ velq i ckkYy GKU Avbt`i velq| cZU ckkYyYi mgvB myi ntj ckkYyYv_XY Zv Aŝti aviY Kiŝe `xNp b| ckkYyYi jØ Avtbi cQvM Zviv GB mvs`uZK Abgub i gra`tg KiŝZ cviŝe| Dc`vcb AveE, msMxZ cviŝekb G_sjv GKRb ukYŝKi tckvMZ Dbqŝbi B Ask|

ukLbdj :

GB Avatekb tkŝl AskMhKvi xMb N

1. Abgub i cvi Kíbv KiŝZ cviŝeb
2. Abgub cviŝekb KiŝZ cviŝeb

DcKiY :

nvi tgvbqvq, Zej v|

cXvZ I tKŝj :

`j xq KvR, Dc`vcb|

Avatekŝbi veiy :

KvR-1 : Abgub i cvi Kíbv KiŝZ cviŝv

mgq : 15 vgvbu

- AskMhYKvi xŝ`i 4u `tj fVM Kiŝeb
- `tj Avtj vPbvi vfiEŝZ 35 vgvbu GKU mvs`uZK Abgub i cvi Kíbv Kŝi Dc`vcb KiŝZ ejŝeb
- cZ`K `tj i KvR GKŝ Kŝi GKU PøvŝAbgub cvi Kíbv KiŝZ ejŝeb cQvRŝb mnvqZv vŝeb|

KvR-2 : Abgub i cviŝekb

mgq : 60 vgvbu

- AskMhYKvi xŝ`i cQvRbxq DcKi Ymn cŝZ nŝZ ejŝeb
- ckkYy`tj i A_ev Avtkcviŝki AvqvŝZ AvZv_eŝ`i emvi Avmb ubvDZ Kiŝeb
- Abgub cviŝekb KiŝZ ejŝeb
- Avtj vPbvi gra`tg Abgub i mgvB tNvI Yv Kiŝeb|

mnvqK Mšewj :

1/ Avj x, tK.Gg.uj qvKZ, ÒmsMxZ ukývi mnR cVÓ, msMxZ ukýK ubt`Kv-1g t_#K 5g tkŸY, cŸ_ugK ukýv
Awa`Bi, ugi cý, tmKkb-2, G. tcmf AvUf tbc, gqgbımsn/

2/ tMv`rgx, W.Ki abıgq, Òm½xZ tKvIÓ, evsj v GKv#Wgx, XvKv, cŸ_g cKvk, 1995/

3/ iBmDıı`b, I`ı` gıx, ÒtQvUt`i mıtıMıgvÓ, mVıg cıewj tKkbm# XvKv, cÂg ms`ıY, 1987/

4/ ÒukýK ubt`Kv t msMxZÓ, RıZıq ukýııg I cıV`cýK teıW, XvKv, 2013/