

ó !# --

<ZjbZgl

1. >\Z]jma~~kZ~~yaZeb lhgdhc ~~gg_\jZkkl~~fhbfhc gblvx b himklbeb \ khkm^ k
]jmaba ijh[~~dfZ~~kkhc] ih]jmabeky \ \h^m gZ ieh\bgm k\h_]h
(f_lZe**e=60**ebq)k]d**m=60**abd ih]jmabeky p_ebdhf gZlygm\ gblv ~~kd]h~~lghklv
f_lZe**e=60** d]³f\h^u 10 d]³fHij_^_ebl_ fZkkm b h[tzf \lhjh]h l_eZ

GZ mjhd_ nbabdb mq_gbdb ihemqbeb aZ^Zgb_ hij_^_eblv iehl
<_kh\ \ dZ[bg_l_ g_ ~~MqjZgbZde~~hvae khkm^ kl=~~8~~_j~~d]k~~^3)ghfk \h^hc
(l_2=10 d]³)f ih^_kbe]jma gZ ijm`bgdm b ieh]ch_jz^h ~~gZ khkhk~~^bZ ljb him
\ i_j\uc khkm^ ^ebgZ ijm`bgu ~~obakf_gZ~~ezkvhgZkdZgbb \h=~~5~~khfjhc gZ
Hij_^_ebl_ iehlghklv l_eZ

F_lZe**e=60**ebq_kdb_ rZjdbb jZk**f=60**blmjZeb keh_f ieZklbdZd ~~the~~klbghc
Hij_^_ebl_ kj_^gxx iehlghklv ihemqb\r_]hky ba^_eby

H[tzf rZ**V=4** ~~E~~³/3 iehlghklv f_l_+~~2000~~z]³ ieZklb=~~970~~d]/f³.

4 >\Z ^jm]Z j_rbeb ijh_jblv [m^_l eb \j_fy ^\b`_gby jZaguf
jZaebqgufb kihkh[Zfb Hgb j_rbeb _oZlv gZ fhlpbdeZo hl h^g
jZkklhygb_ f_`^m dhlh~~du~~^bhev ^hjh]b jZkiheh`_gh fgh]h gZk_ezg
ihwlhfm kdhjhklb \u[jZeb g_[hevrbbf l_j\uc ieh\bgm i~~df~~l**q**ZZe k
\lhjmx ieh\bgm kh ~~kd=4~~h]kflvZkLhjh*e* ieh\bgm \j_f_gb _oZe kh
V_1 df q,~~Zk~~ \lhjmx ieh\bgm \k~~df~~h]gkV~~ka~~4 df q.Zk Dlh jZgvr_ ijb[ue g
nbgbr" ; DZdh_ jZkklhygb_ [ueh f_`^m fhlpbdebklZfb dh]^Z h^b

5 FboZbe \ur_e gZ ijh]medm_d~~m~~g~~u~~^\b]Zeky gZ \hklhd V~~h~~fk~~h~~hjhkl
aZl_f ih_jgme gZ x] b ijhrze V~~f=2~~5f kd~~h~~gZk~~l~~ox^mxs_f mqZkl_d_hg
gZ aZiZ^ b rze k_dmg ~~V_3=2~~fh kkd~~g~~zh khkve_^g_f ~~mf~~q~~z~~klde_g_ ki_rZ
gZ k__j kh kd~~V_3~~hfk~~l~~vx: Hij_^_ebl_ kj_^gxx kdhjhklv FboZbeZ
jZkklhygbb hl nbgbrZ gZoh^blky f_klh klZjIZ"

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>\Z _ehkbi_^bklZ \u_oZeb ba h^gh]h imgdlZ \ h^ghf g
kdhjhklvfb dfcϕgl_j\Ze#8 fbg GZ\klj_qm bf ^\b`_lky fhlpb
kdhjhklvwx df Q_j_a dZdh_ \j_fy ihke_ \klj_qb k i_j\uf \
ijhbahc^zi \klj_qZ fhlpbdebklZ kh \lhjuf _ehkbi_^bklhf"

2. DZI_j ^hklZ\ey_l Imjbklh\ ih j_d_ hl ijbklZgb : ^h ijbklZg
\h^jZsZ_l bo gZ ijbklZgv : >hjh]Z th#2 q^hZ<h^jZgyle Zq ljb
ihkZ^d_ \ imgdl_ : Imjbkl mjhgbe \ \h^m reyim Q_j_a dZd
imgdl < Imjbkl kfh`_l \ueh\blv k\hx reyim"

Ql[u j_rblv dlh emqrbe^\Zj_\jnp]Z gZ h^bgZdh\uo eh^dZo
hlijZ\bebkv ba h^ghc lhqdb \^hev j_db J_dZ [ueZm^h^d^m^d^m^b
hgb ^\b]Zebkv \ ijhlb\hiheh`guo gZijZ\e_fghybl[ZKjZnk\yjgmebk
< bkoh^gmx lhqdm]^_ bo `^Ze lj_lbc ^jm] h^6 gbo^a kge_o \
jZa\hjhIZ Z ^jmt^h20 qbg_Dah ba gbo ^\b]Zeky [uh^y^klj_\h^_kb \
kdhevdh jZa"

GZ ihdjZkdm ^_j_\ygggh]h dZ[Z k^kZeh^ghv^d^h^c dbklhqdhc m
moh^blk_dm^Zdhc `_ dm[jZkibeb\Zxl gZ dm[bdb kh klhjhghc
: Kdhevdh \j_f_gb aZljZlbi <heh^y qlh[u ihdjZkblv wlb dm[b
; ?keb dm[bdb^_gblv gZ eZlmggu_ Z aZl_f \k_ dm[bdb kde_b
kj_^gyy iehlgkklv dm[Z" Kehc de_y kqblZlv [_kdhg_qgh lhgc
f_gvr_ fZkku dm[Z lehlghkklv d^j^f^e^hlgkklv eZ^85 g^d]^3.f

GZ^ ih_joghklvx \h^hzfZ gZ ijm`bg_
ih^_r_gZ k\Zy k d\Z^jZlGuf k_q_gb_f
(10x10)kf ^ebglu ?z gZqbgZxl f_^e_ggh
kh kdhjhklvx fchimkdZlv b dZ`^mx
k_dmg^m nbdkbjmxl m^ebg_gb_ ijm`bgu o
J_amevlZlu baf_j_gbc ij_^klZ\e_gu gZ
]jZnbd_ lh wlb^ ^Zgguf hij_^_ebi_ Z
`zkldhklv ijm`bgu [iehlgkklv k\Zb
20 d]^3 f iehlgkklv \h^100d]^3f