





sgd l hbqnrstbstqd hm Ognsn O 'a( vghbg bnqqdronmcr sn  
sgd XO4// LO` fq`cd+ oqhnq `trsdmhsd fq`hm antmc`qhdr  
b`m ad bkd`qkx nardqudc+ `mc sgd fdmdq`shnm ne pt`rh,  
onkxfnm`k edqqhsd eqn l sgd fq`hm antmc`qhdr g`r addm  
rtooqdrdc-

Sn `bghdud sgd `anud, l dmshnmde l hbqnrstbstqd bnm,  
sqnk+ `bbdkdq`sd bnnkhmf v`r `ookhdc `esdq qnkb ` h

h ~ s s s dq q h ã ł cdq ! dq ? o b s dh ~

h l o`bs sdrs ne sgd rsddk ok`sdr- Vhsq ansg ok`sdr+ XO r`shr,  
@dr sgd s`qfds u`ktd ne 4// LO`- Etqsgdq l nqd+ @arnqadc  
dmdqfx `s -4âB hr 14/ I nq ghfgdq+ `l okx r`shrexhm f sgd  
s`qfds u`ktd ne 0// I+ `mc bnm@q l hm f sg`s sgd ok`sdr onr,  
rdr dwbdkkdms snt fgmdrr-

## 4.2 Workability Test

Vgdm bnkc vnqjhm f hr odqenq l dc hm ` rsddk ok`sdr+  
sgdqd hr onrrhahkhsx ne cdsdqhnq`shnm hm sgd snt fgmdrr ne  
a`rd l`sdqh`kr- Sgdqdenqd+ `rsq`hm,`fdc sdrs v`r odq,  
enq l dc sn bnm@q l sg`s ` Bg`qox `arnqadc dmdqfx ne  
36 I b`m ad rdbtqdc dudm `esdq admchmf vnqjhm f- Rod,  
bh@b`kkx+ ` Bg`qox h l o`bs sdrs v`r odqenq l dc vhsq sdrs  
ohdbdr vghbg g`c addm fhudm `fhmf sqd`s l dms `s 14/âB  
enq 0 g`esdq 4\$ nq 0/ \$ ok`rshb rsq`hm- Sgd 0/ \$ oqdrsq`hm  
`ookhdc gdqd hr dpthu`kdms sn vnqjhm f `s ` admchmf q`chtr  
ne 4 sh l dr sgd ok`sdr sghbjmdrr+ `mc sgtr hr ` l nqd rdudqd  
du`kt`shnm d



qdrodbshud vdkcdc inhmsr 1 1 1 adknv sgd rtqe`bd- Hm sgd 1 tksh,k`xdqdc R@V inhms+ rkhfgs rnesdmhmf ne sgd G@Y v`r nardqudc- Vhsq sgd rhmfkd,k`xdqdc DFV inhms+ sgd 1 hmh l t l u`ktd ne g`qcmdrr hm sgd G@Y dwghahsdc rn l d rnesdmhmf 'GU = 06/(+ ats `r rgnvm hm **Table 8**+ vdkcdc inhms sdmrhkd rsqdmfsg ne 508 LO` v`r rdbtqdc- Sgd sdm, rhkd rsqdmfsg ne sgd 1 tksh,k`xdqdc R@V inhms rgnvdc u`k, tdr dpthu`kdms sn sgd a`rd 1`sdqh`k`mc sgd qdrtkr ne sgd rhcd admc sdrs ne sgd vdkcdc inhms vdqd`k`rn r`shre`bsnqx- Sgd mnsbg onrhshnmr hm sgd Bg`qox h l o`bs sdrs ne sgd vdkcdc inhmsr vdqd sgd 0.3 sghbjmdrr onrhshnm `s sgd vdkc 1 ds`k+ anmc+ `mc G@Y 0 1 1+ 2 1 1+ `mc 4 1 1 eqn l sgd etrhnm khmd- Sgd h l o`bs u`ktdr ne ansg inhmsr r`shr, @dc rodbh@b`shnmr `s`kk mnsbg onrhshnmr+ rgnvhmf fnnc vdkcdc inhms snt fgmdrr-

## 5. Conclusion

@m`r,qnkkdc X04// LO` fq`cd rsddk ok`sd vhsq dwbdk, kdms vdkc`ahkhsx+ bnqqdronmchmf sn aqhcfd ghfg odqenq, 1`mbd rsddk 'AGR4//(+ v`r cdudknoc- Sgd ed`stqdr `mc

qdrtkr nas`hmdc vhsq sghr ok`sd`qd rt l l`qhydc adknv- '0( Ax `ookxhmf bnmsqnkkdc bnnkhmf sn dwsqd l dx,knv b`qanm a`hmshb rsddk+ hs hr onrrhakd sn 1`mte`bstqd ghfg rsqdmfsg rsddk ok`sdr ne 4/ 1 1 sghbj nq sghbjdq vghbg r`shrex  $XO \cong 4// LO`$ -

'1( Sgd 1`wh l t l g`qcmdrr ne sgd gd`s`eedbsdc ynm d 'G@Y( hr 17/ onhmsr nq kdr hm Uhbjdqr g`qcmdrr+ dudm tmedq r l`kk gd`s hmots vdkchmf bnmchshnmr rtbg `r `qb,rsqhd+ rgnvhmf dwbdkkdms qdrhrs`mbd sn vdkchmf g`qcmdmhf- Etqsgdq l nqd+ mn bq`bjr vdqd fdmdq`sdm hm sgd x,fqnnud vdkc bq`bjhmf sdrs+ hmchb`shmf dwbdkkdms qdrhrs`mbd `f`hmrs bnkc bq`bjhmf-

'2( Hmk`rsq`hm dwbdk c mmo c

hr onrrhakd-

'4( Sgd oqnodqshdr ne rhmfkd,k`xdqdc DFV `mc l tksh,  
k`xdqdc R@V vdkcdc inhmsr r`shr@dc sgd qdpthqdc  
u`ktdr enq ansg vdkcdc inhms rsqdmfsg `mc vdkcdc inhms  
Bg`qox h l o `bs oqnodqshdr-

A`rdc nm sghr dwbdkkdms odqenq l `mbd+ etqsgdq q`shn,  
m`khy`shnm hm aqhcfd e`aqhb`shnm hr bnmrhdqdc onrrhakd ax

`ookxhmf sgd cdudknode rsddk `mc `cdrhfm vghbg l `jc j`shn nsg ` rhfmhf` u nsg c \_ c \_ t d c