Proof function first(x) n first(y) 283 n[fist(assnit) U first(ifstut) U first(loop) U first (read) U first (autout) U first (tread) U first (autout) U first (tread) U first (autout) U first (tread) U firs Statem first (a) first (b), first (c), first (d), first (e), first (d), first (autput), first (funed)) PAIRDISE DESSOENT Asomet - Trivial fist ( statement) 1 2/108= &I, W, R, O, C, X, Y, Z & n & 1, 8 } fist/wsn first(x) foftstent) 1683 \$T, W, ROC, XY, Z30 285=10 Loop ArsHanfirst(1) TENSTUSTATEMENTS first(a) n first(b)

9

first (a) n first (b)

all Trivial Compress Trivial CXDISM first(a) n first(b) follow express) n 2+3 = 2 jus n 2+3 Pador first(a) n first(b) follow (factor) 1 2 x 3 = 23 1 2 x 3 opral first(a) n first(b) n first(c) first(integer) N first (ident 1) 268 = 70,1,2,3,4,5,6,75,12 x, x, Z3,1 & Z3 Opiar Trivial Pictal Afirst (b) first (char) = 9 x 4 2 0 1 2 3 4 5 6 7 3 Char,

that first (a) nfirst(b)

first Lietters nfirst(digit)

2x, y, Z 3/130, 1, 24, 3, 4, 5, 6, 75

Pairwise disjoint

letter Trivial
digit
Trivial