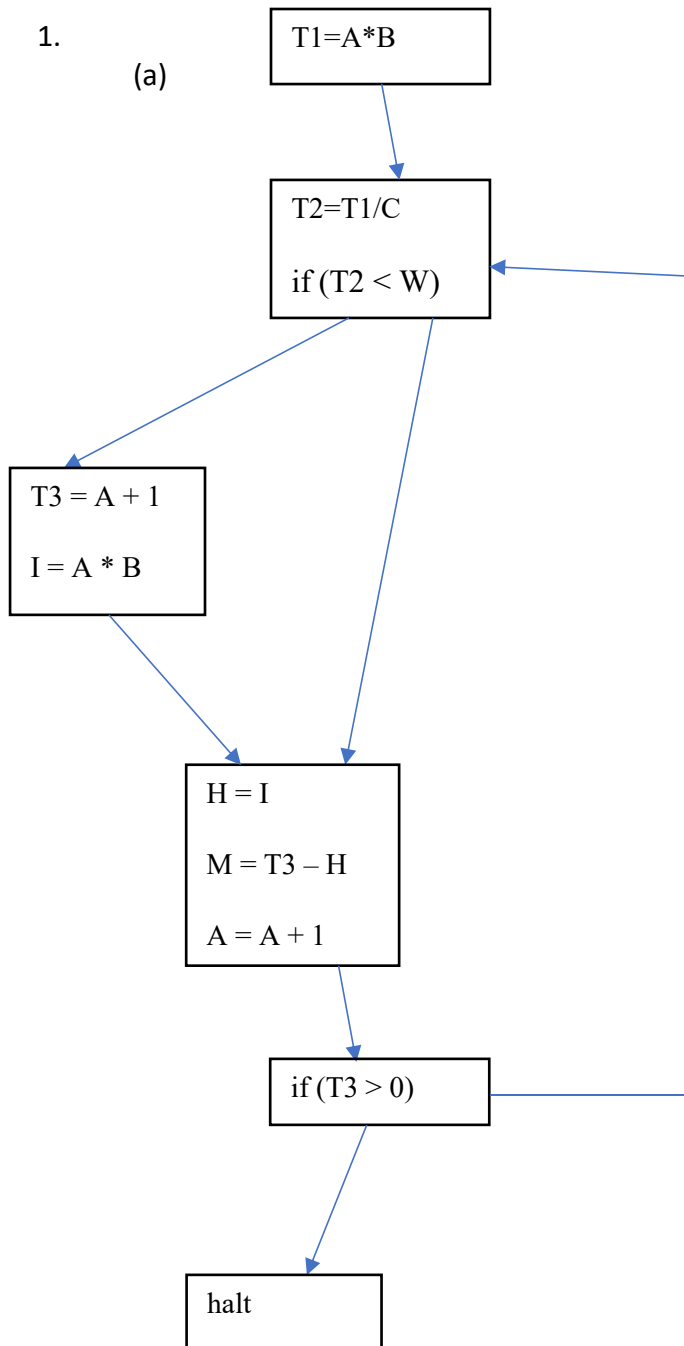


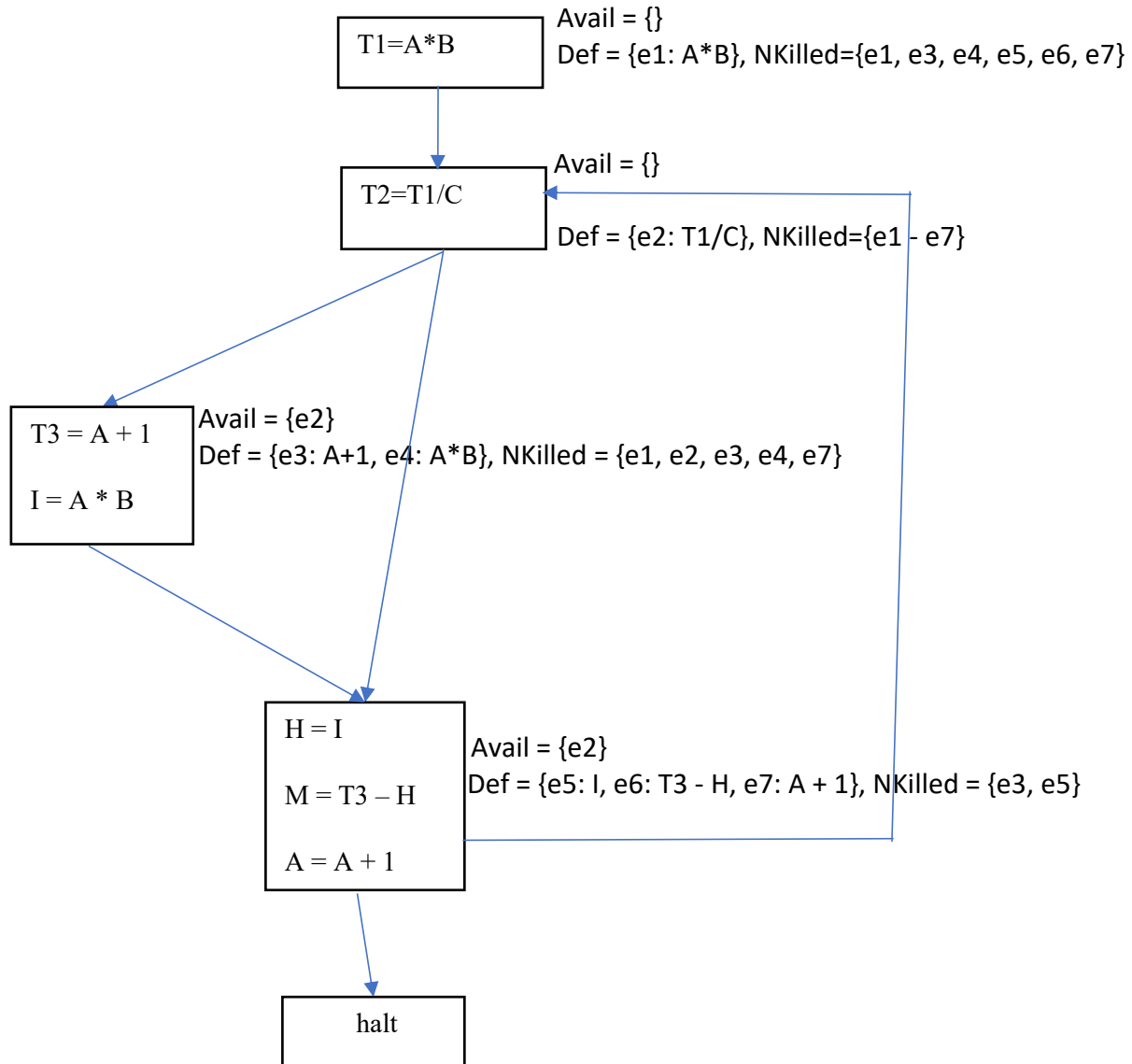
1.

(a)



(b):

Compute the def, Nkill and avail set for each block:



2.
(a):

	0 (enter)	1	2	3	4	5	6	7 (exit)
Dom	0	0, 1	0, 1, 2	0, 1, 2, 3	0, 1, 2, 4	0, 1, 2, 4, 5	0, 1, 2, 4, 6	0, 1, 2, 4, 7
sDom		0	0, 1	0, 1, 2	0, 1, 2	0, 1, 2, 4	0, 1, 2, 4	0, 1, 2, 4
iDom	0	0	1	2	3	4	4	4

(b):

$DF(B2) = \{\}$, since B2 strictly dominates every one of its children nodes

$DF(B3) = \{B3\}$, since B3 dominates B3, which is a predecessor of B2, and doesn't strictly dominates B2.

$DF(B6) = \{exit\}$, since B6 dominates B6, which is a predecessor of exit, and doesn't strictly dominates exit