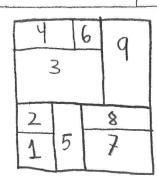
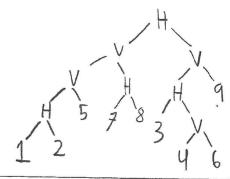
Problem 1



aldraw skewed strong tree blgive NPE



NPE: 12H5V78HV346VH9VH

COMMENS COMMENS CONTRACTOR CONTRA

a

6

C

Publin 2 PE= 12 H34V56VHV

a) does PE satisfy Balloting property e) from the floorplan b) BPE a NPE

c) give sticing tree for PE d) find rost PE i w

2

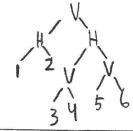
1) every operand occurs only once (1,2,3) 2) # operands > # operators #(1,2,3)>#(V,H)

No repeated valves for 1-6

operands > # operators

no repeating operators

Normalized PE 12H 34U 56 VHV



1) give all possible leaf orientations

H: Max width, add height 2) propogak up (eliminate redundant orientations eg (1,2), 41,3) V: add width, myc height

(2/1)

(8,5)(5,5)(9,4)(6,5) (W/h) H (6,4)(3,5) H (2,5)(3,4) (3,3)(4,3) V (3,2)(4,2) (2₁3) (3,2) 5 (3,1) (1/3) (2,2)(2/3) (3/2) (1/2)

(5,5)=25(9,4) = 36Smallest rectangle: 5x5

5 6 3