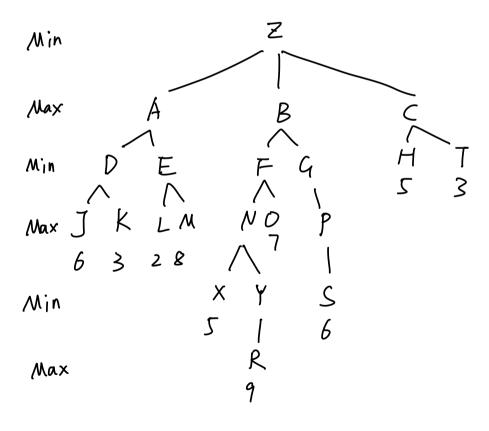
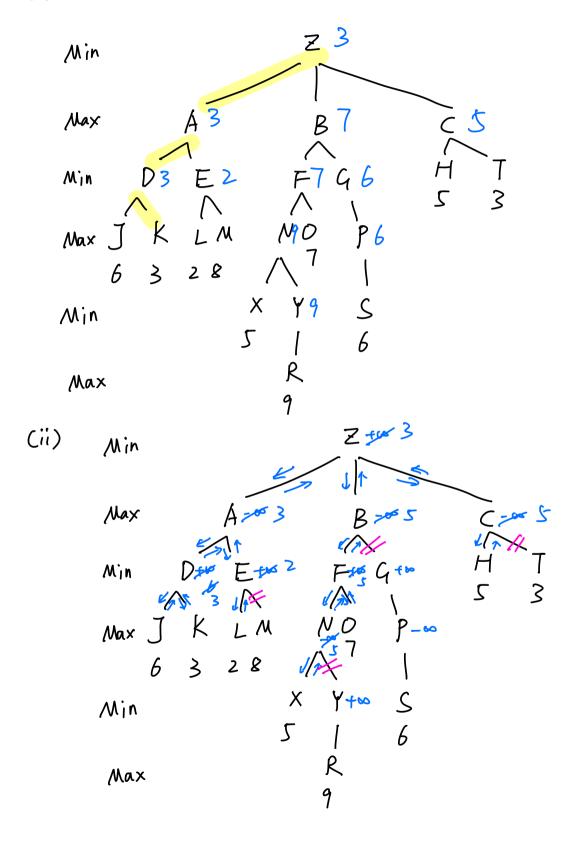
- (i) choose of ABC
- (ii) left to right & B praning list no examined node
- (iii) reduce computation cost in α-β
 2 factors compare; min max



(b) 2-1-21 Re(U bias = 1.0 y = 0.5(i) 0^2 O4 O5 O6 y = 0.8(ii) Sall (iii) W5, bias

civ) of

Solution(i) Min Max: choose A



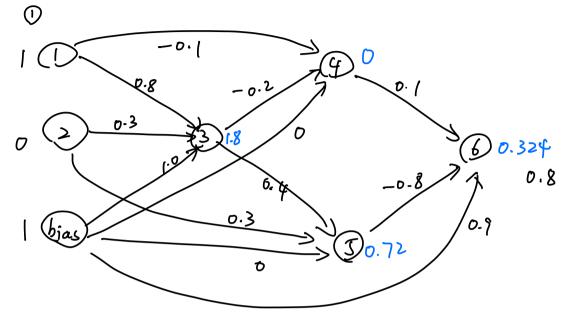
not examinated node.

MYRGPST

(iii) @ Pruning of its elevant branches:

Once & or B. crosses, entire subtrees can be skipped.

De Move ordering; If one finds either a very good for Max or very bad for Min move early, it tightens a or & sooner and pranes more aggressively



②
$$net_3 = 0.8 \times 1 + 0.3 \times 0 + 1.0 \times 1$$

= $0.8 + 1$
= $(.8$
 $0_3 = 5 (net_3) = 1.8$

$$9 \text{ net}_4 = -0.1 \times 1 - 0.2 \times 1.8 + 0 \times 1$$

= -0.46
 $0_4 = 7 \text{ (ne-} 4) = 0$

$$\Theta \text{ net}_{3} = 0.4 \times 1.8 + 0.3 \times 0 + 0 \times 1$$

$$= 0.72$$

$$O_{5} = 5 \text{ (net}_{5}) = 0.72$$

$$(ii)$$
 δ

3)
$$\delta_{5} = \sigma'(\text{net}_{5}) \sum_{k} \delta_{k} W_{k};$$

= $1 \times (\delta_{6} \cdot W_{65})$
= $0.476 \times (-0.8)$
= -0.3808

(3)
$$S_3 = 1 \times [S_4 \times (-0.2) + S_5 \times (0.4)]$$

= -0.3808×0.4
= -0.15232

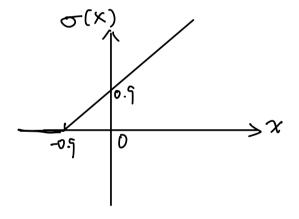
Cili) Ws, bias

①
$$\Delta W_{5}$$
, bias = $\int_{5}^{5} \delta_{5} O_{bias}$
= $0.5 \times (-0.3808) \times 1$
= -0.1904

$$2 W_{5} bias = 0 - 0.1904$$

= -0.1904

(iV) o(x)= maxlo, X+0.9)



(c) (i) Oaccuracy

TPIF	7	300	200	_
FPT	H	250	9250	

TP	FP	
FN	TN	

(11)

graise the recall

) we must reduce the number of missed fake (FM)