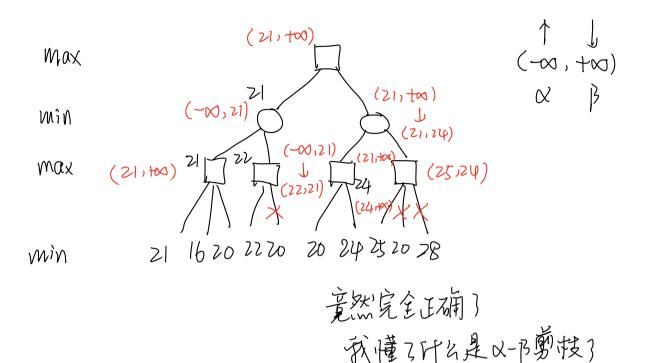
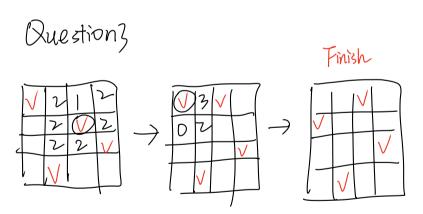


7.764+0

Question 2





注意CSP中的启发式问题

Duestion4 Germony

BMFNHSDEW at most once

ourrive/leave

conn = travel time rating

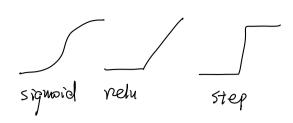
- U) solution space is the arrangement of 9 citys. The first and the last cities must be two of B, M, F
- (2) one solution is a gene sequence a sequence of number 1-9 eg. 153942786

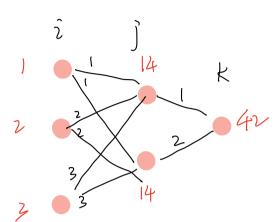
denotes the visit sequence of each ofty two of the first three number must contain 1 and 9

- (3) two objective function { maximize: Sum of the rating minimize: Sum of the travel time
- (4) initial population: rondonly generate individual an xman crossover: two of the solution sequence crossover, mutation { flip: picktwo of the number and flip reverse: select: select the best individual according to their objective func reproduce, replace the old population and create

new population

Question 5





- (1) 1x1+2x2+3x3=1+4+9=14 -> relu(14)=14 [4x2+14x] = 42 -> relu(42)=42
- 致了对了!

$$W = (y - 0k)^{2} + \frac{\delta W}{\delta 0k} = (-1)(y - 0k) = 3$$

$$0k = \text{Velu}(2k)$$

$$2k = \text{Velu$$

$$\begin{cases} 39 \times 1 \times 1 = 0.078 \\ 39 \times 2 \times 1 = 0.078 \\ 39 \times 1 \times 2 = 0.078 \\ 39 \times 2 \times 2 = 0.156 \\ 39 \times 1 \times 3 = 0.234 \end{cases}$$

 $|4\times3|\times0.000| = 5466\times0.000| = 0.546$ $|39\times1\times1| = 0.078$ $|39\times2\times1| = 0.078$ $|39\times2\times2| = 0.078$ $|39\times2\times2| = 0.056$ $|39\times2\times3| = 0.117$ $|39\times2\times3| = 0.0078$ 两层全算了!