离散数学(1)军六次作业

16. Vi 8 4 2 2 V3

奇数度数点有 11.15.14.16

$$0 \ V_1 - V_3 \ . \ V_4 - V_5$$

$$dist (V_1, V_3) = 7 \qquad ? \Rightarrow cost \ 1 = 11$$

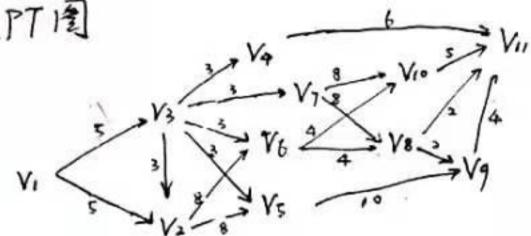
$$dist (V_4, V_5) = 4 \qquad ?$$

Ø
$$V_1 - V_4$$
, $V_3 - V_5$
dist $(V_1, V_4) = 7$ | ⇒ $005 + 2 = 13$
dist $(V_3, V_5) = 6$

8
$$V_1 - V_5$$
, $V_3 - V_4$
dist $(V_1 + V_5) = 8$ $\Rightarrow cost 3 = 12$
dist $(V_3, V_4) = 4$

四 VI-V3. V4-V5 配对代介裁·J.

17. 建門图



采用拓扑排序,设dist Vi 为 Vi 互同阶距以最大值

$$V_1 \rightarrow dist \ V_3 = 5 \rightarrow V_2 \text{ in queue}$$
 $dist \ V_2 = 5$
 $V_3 \rightarrow dist \ V_2 = 8 \rightarrow V_2 \text{ in queue}$
 $dist \ V_5 = 8$
 $dist \ V_7 = 8 \rightarrow V_7 \text{ in queue}$
 $dist \ V_7 = 8 \rightarrow V_7 \text{ in queue}$
 $V_2 \rightarrow dist \ V_6 = 16 \rightarrow V_6 \text{ in queue}$
 $V_7 \rightarrow dist \ V_{10} = 16$
 $dist \ V_8 = 16$
 $V_8 \rightarrow dist \ V_{10} = 26$
 $V_8 \rightarrow dist \ V_{11} = 25$
 $V_8 \rightarrow dist \ V_{11} = 30$
 $V_8 \rightarrow dist \ V_{11} = 30$

即关键路径为 21→13→13→13→19→17, 时间共30