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2072009
Teknik komputer

UAS Sistem operasi

Bagian 2

1. $r_j = \sum_{i \to j} \frac{r_i}{L_{out}(i)}$

$\sum r_i = 1$

$r_1 = \frac{r_5}{4}$ $r_2 = \frac{r_1}{4}$ $r_3 = \frac{r_2}{2} + \frac{r_4}{3} + \frac{r_7}{3}$

$r_4 = \frac{r_1}{4} + \frac{r_8}{1} + \frac{r_{12}}{4}$

$r_5 = \frac{r_{10}}{\frac{1}{5}}$ $r_6 = \frac{r_1}{4} + \frac{r_2}{2} + \frac{r_5}{4} + \frac{r_7}{3} + \frac{r_{10}}{\frac{1}{5}}$ $r_7 = \frac{r_4}{3} + \frac{r_{11}}{2} + \frac{r_{12}}{4}$

$r_8 = \frac{r_4}{3} + \frac{r_{12}}{4}$ $r_9 = \frac{r_1}{4} + \frac{r_5}{4} + \frac{r_{10}}{\frac{1}{5}}$ $r_{10} = \frac{r_5}{4} + \frac{r_{11}}{2}$ $r_{11} = \frac{r_{10}}{\frac{1}{5}} + \frac{r_{12}}{4}$

$r_{12} = \frac{r_{10}}{\frac{1}{4}} + \frac{r_7}{3}$

Sat 3

	1	2	3	4	5	6	7	8	9	10	11	12
1	0	1/4	0	1/4	0	1/4	0	0	1/4	0	0	0
2	0	0	1/2	0	0	1/2	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	1/3	0	0	0	1/3	1/3	0	0	0	0
5	1/4	0	0	0	0	1/4	0	0	1/4	1/4	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	1/3	0	0	1/3	0	0	0	0	0	1/3
8	0	0	0	1	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	1/5	1/5	0	0	1/5	0	1/5	1/5
11	0	0	0	0	0	0	1/2	0	0	1/2	0	0
2	0	0	0	1/4	0	0	1/4	1/4	0	0	1/4	0

= M

$r^{(t+1)} = r^{(t)} M$

$r = [1/12\ 1/12\ 1/12\ 1/12\ 1/12\ 1/12\ 1/12\ 1/12\ 1/12\ 1/12\ 1/12\ 1/12]$

$r' = r^0 M$

Date

Jumlah iterasi

r0 = 2138

r = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0]

S = M + A

~~r = 10.~~

$$A=\begin{bmatrix}0&0&0&0&0&0&0&0&0&0&0&0\\0&0&0&0&0&0&0&0&0&0&0&0\\1/12&1/12&1/12&1/12&1/12&1/12&1/12&1/12&1/12&1/12&1/12&1/12\\0&0&0&0&0&0&0&0&0&0&0&0\\0&0&0&0&0&0&0&0&0&0&0&0\\1/12&1/12&1/12&1/12&1/12&1/12&1/12&1/12&1/12&1/12&1/12&1/12\\0&0&0&0&0&0&0&0&0&0&0&0\\0&0&0&0&0&0&0&0&0&0&0&0\\1/12&1/12&1/12&1/12&1/12&1/12&1/12&1/12&1/12&1/12&1/12&1/12\\0&0&0&0&0&0&0&0&0&0&0&0\\0&0&0&0&0&0&0&0&0&0&0&0\\1/12&1/12&1/12&1/12&1/12&1/12&1/12&1/12&1/12&1/12&1/12&1/12\end{bmatrix}$$

r= [0, 0, 0, 0, 0, 0, 0, 0,

S= M + A

S= ~~0~~ 0.

S= [0, 0.25, 0, 0.25, 0, 0, 0, 0, 0.25, 0, 0, 0]

[0, 0, 0.5, 0, 0, 0.5, 0, 0, 0, 0, 0, 0]

[0.0833, 0.0833, 0.0833, 0.0833, 0.0833, 0.0833, 0.0833, 0.0833, 0.0833, 0.0833, 0.0833, 0.0833]

[0, 0, 0.333, 0, 0, 0, 0.333, 0.333, 0, 0, 0, 0]

[0.25, 0, 0, 0, 0, 0.25, 0, 0, 0.25, 0.25, 0, 0]

[0.0833, 0.0833, 0.0833, 0.0833, 0.0833, 0.0833, 0.0833, 0.0833, 0.0833, 0.0833, 0.0833, 0.0833]

[0, 0, 0.333, 0, 0, 0.333, 0, 0, 0, 0, 0.333]

[0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0]

[0.0833, 0.0833, 0.0833, 0.0833, 0.0833, 0.0833, 0.0833, 0.0833, 0.0833, 0.0833, 0.0833, 0.0833]

[0, 0, 0, 0, 0.2, 0.2, 0, 0, 0.2, 0, 0.2, 0.2]

[0, 0, 0, 0, 0, 0, 0.5, 0, 0, 0.5, 0, 0]

[0, 0, 0, 0.25, 0, 0, 0.25, 0.25, 0, 0, 0.25, 0