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NPM : 15210005

Prodi : Teknik Informatika

Matkul : Expert System

• 1

Handwritten calculation for $P(\text{computer} | \text{Ruam})$ on a piece of lined paper. The paper has "No." and "Date" fields at the top right. The calculation is as follows:

$$1.) P(\text{computer} | \text{Ruam}) = \frac{P(r|c) P(c)}{P(c)}$$
$$= \frac{0,90 \cdot 0,15}{(0,90 \cdot 0,15) + (0,08 \cdot 0,85)}$$
$$= \frac{0,90 \cdot 0,15}{0,203}$$
$$= \frac{0,135}{0,203}$$
$$= 0,66$$

• 2

Handwritten calculation for $P(\text{Non-spam} | \text{Spam})$ on a piece of lined paper. The calculation is as follows:

$$2.) P(\text{Non-spam} | \text{Spam}) = \frac{P(\text{non-spam} | \text{spam}) P(\text{non-spam})}{P(\text{spam})}$$
$$= \frac{0,05 \cdot 0,65}{0,35}$$
$$= \frac{0,0325}{0,35}$$
$$= 0,093$$

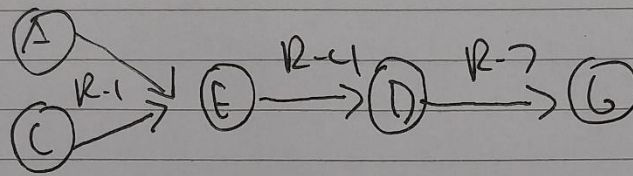
3.) Backward and Forward Chaining

• Forward

R-1

R-4

R-7

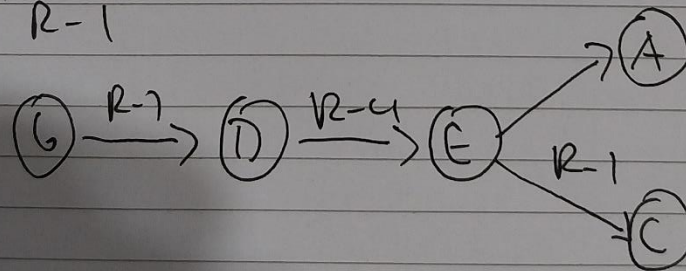


• Backward

R-7

R-4

R-1



Kesimpulan yg diperoleh G bisa dicapai