

ARTIFICIAL INTELLIGENCE



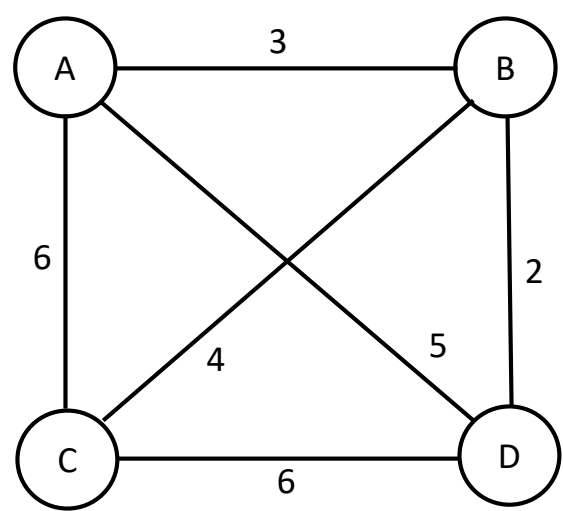
Oleh :

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**PRODI MANAJEMEN TEKNIK INFORMATIKA
STIKI INDONESIA**

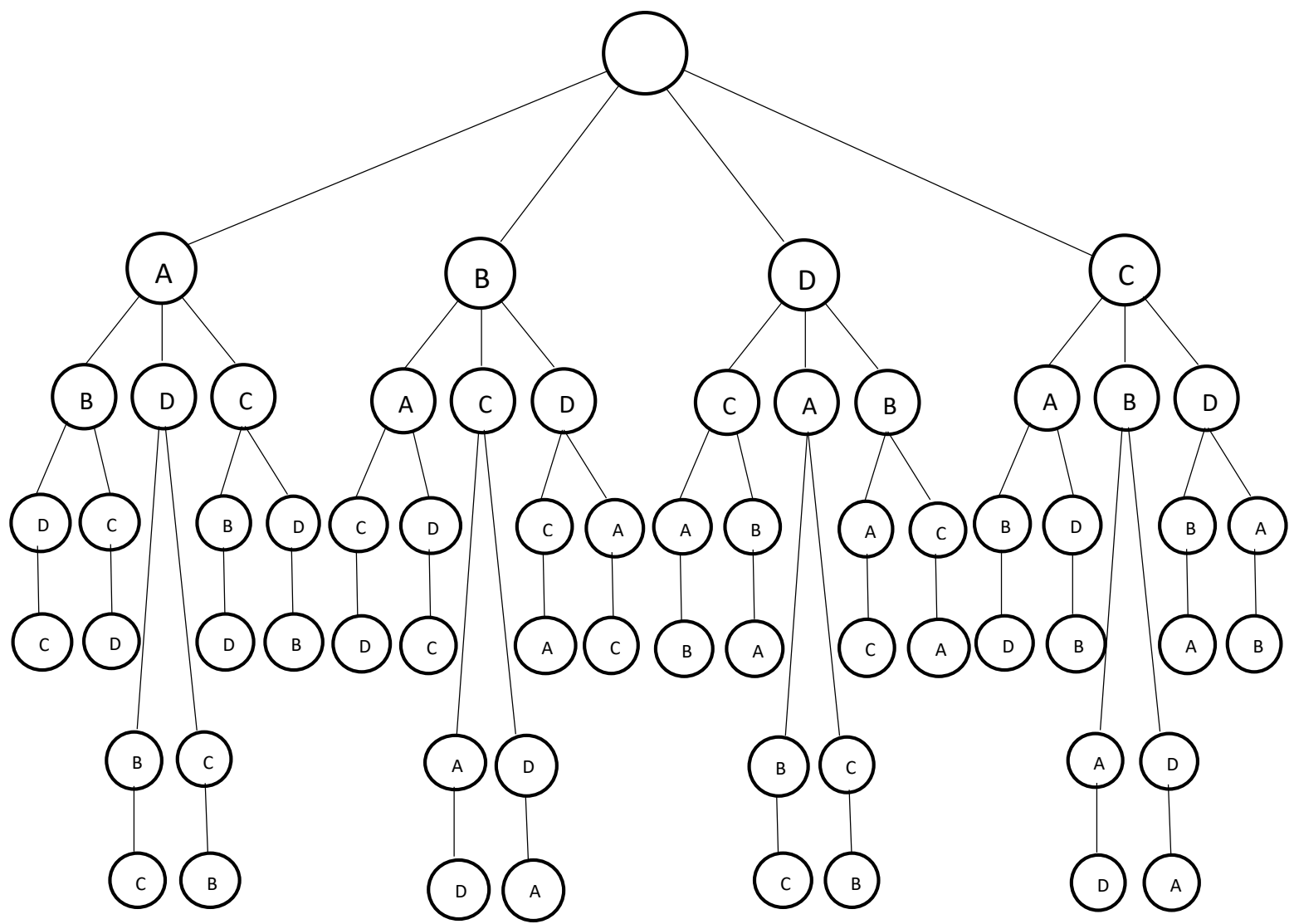
2021/2022

Diketahui Soal :



Metode Penyelesaian :

❖ Kami Menggunakan Metode Heuristic Search dengan cara Generate And Test



| Pencarian | Lintasan | Panjang lintasan | Lintasan Terpilih | Panjang Lintasan Terpilih |
|-----------|----------|------------------|-------------------|---------------------------|
| 1 | ABDC | 11 | ABDC | 11 |
| 2 | ABCD | 13 | ABDC | 11 |
| 3 | ADBC | 11 | ABDC & ADBC | 11 |
| 4 | ADCB | 15 | ABDC & ADBC | 11 |
| 5 | ACBD | 12 | ABDC & ADBC | 11 |
| 6 | ACDB | 14 | ABDC & ADBC | 11 |
| 7 | BACD | 15 | ABDC & ADBC | 11 |
| 8 | BADC | 14 | ABDC & ADBC | 11 |
| 9 | BCAD | 15 | ABDC & ADBC | 11 |
| 10 | BCDA | 15 | ABDC & ADBC | 11 |
| 11 | BDCA | 14 | ABDC & ADBC | 11 |
| 12 | BDAC | 12 | ABDC & ADBC | 11 |
| 13 | DCAB | 15 | ABDC & ADBC | 11 |
| 14 | DCBA | 13 | ABDC & ADBC | 11 |
| 15 | DABC | 10 | DABC | 10 |
| 16 | DACB | 15 | DABC | 10 |
| 17 | DBAC | 11 | DABC | 10 |
| 18 | DBCA | 12 | DABC | 10 |
| 19 | CABD | 11 | DABC | 10 |
| 20 | CADB | 13 | DABC | 10 |
| 21 | CBAD | 12 | DABC | 10 |
| 22 | CBDA | 11 | DABC | 10 |
| 23 | CDBA | 11 | DABC | 10 |
| 24 | CDAB | 14 | DABC | 10 |

❖ Jadi jarak terpendek adalah **DABC** dengan jarak **10**.