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# *Model STKI dengan Boolean Model*

Tahap 1

| Doc 1 (ID1) | New | home | sales | top | forecast | |
|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | |
| Doc 2 (ID2) | Home | sales | rise | in | july | |
| | 1 | 2 | 3 | 4 | 5 | |
| Doc 3 (ID3) | Increase | in | home | sales | in | july |
| | 1 | 2 | 3 | 4 | 5 | 6 |
| Doc 4 (ID4) | July | new | home | sales | rise | |
| | 1 | 2 | 3 | 4 | 5 | |

Tahap 2

| Term | Inverted List |
|---|---|
| new | ID1, ID4 |
| home | ID1, ID2, ID3, ID4 |
| sales | ID1, ID2, ID3, ID4 |
| top | ID1 |
| forecast | ID1 |
| rise | ID2, ID4 |
| in | ID2, ID3 |
| july | ID2, ID3, ID4 |
| increase | ID3 |

Tahap 3

| Term | Inverted List |
|---|---|
| new | <ID1, 1, [1]> , <ID4, 1, [2]> |
| home | <ID1, 1, [2]> , <ID2, 1, [1]> , <ID3, 1, [3]> , <ID4, 1, [3]> |
| sales | <ID1, 1, [3]> , <ID2, 1, [2]> , <ID3, 1, [4]> , <ID4, 1, [4]> |
| top | <ID1, 1, [4]> |
| forecast | <ID1, 1, [5]> |
| rise | <ID2, 1, [3]> , <ID4, 1, [5]> |
| in | <ID2, 1, [4]> , <ID3, 2, [2,5]> |
| july | <ID2, 1, [5]> , <ID3, 1, [6]> , <ID4, 1, [1]> |
| increase | <ID3, 1, [1]> |

Tahap 4

- Mencari hasil Boolean Query Retrieval: sales OR NOT (top AND rise)
  $TF_{biner}(sales) = 1111$
  $TF_{biner}(top) = 1000$
  $TF_{biner}(rise) = 0101$
- sales OR NOT (top AND rise)
  = 1111 OR NOT (1000 AND 0101)
  = 1111 OR NOT 0000
  = 1111 OR 1111
  = 1111
- Jadi hasil Boolean Query Retrieval: sales OR NOT (top AND rise) adalah semua dokumen (dokumen 1, 2, 3, 4).