**OKAPI-BM-25 (IDF with log base 10)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **QUERY\_ID** | **P@5** | **P@10** | **P@20** | **P@30** |
| 202 | 0 | 0 | 0 | 0 |
| 214 | 0.8 | 0.8 | 0.85 | 0.8333 |
| 216 | 1.0 | 1.0 | 0.75 | 0.7333 |
| 221 | 1.0 | 0.9 | 0.95 | 0.8666 |
| 227 | 0.2 | 0.3 | 0.4 | 0.5 |
| 230 | 0.8 | 0.8 | 0.55 | 0.5 |
| 234 | 0.8 | 0.9 | 0.75 | 0.7666 |
| 243 | 0.6 | 0.6 | 0.75 | 0.5666 |
| 246 | 0.6 | 0.4 | 0.25 | 0.3 |
| 250 | 0.2 | 0.1 | 0.25 | 0.1666 |

**MAP: 0.45**

**DIRICHLET SMOOTHING MODEL**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **QUERY\_ID** | **P@5** | **P@10** | **P@20** | **P@30** |
| 202 | 0 | 0 | 0 | 0 |
| 214 | 0.4 | 0.7 | 0.75 | 0.8333 |
| 216 | 1.0 | 1.0 | 0.9 | 0.7666 |
| 221 | 1.0 | 1.0 | 0.95 | 0.9333 |
| 227 | 0.6 | 0.3 | 0.3 | 0.3333 |
| 230 | 1.0 | 0.9 | 0.55 | 0.3666 |
| 234 | 0.6 | 0.6 | 0.75 | 0.7 |
| 243 | 0.6 | 0.5 | 0.35 | 0.2666 |
| 246 | 0.6 | 0.3 | 0.3 | 0.2333 |
| 250 | 0 | 0.1 | 0.05 | 0.0333 |

**MAP:0.42**