Giai đoạn 1:

|  |  |  |  |
| --- | --- | --- | --- |
| Model | Val | Test | Description |
| Bm25 | 0.6139 | 0.6052 |  |
| Bge | 0.6660 | 0.6681 | Topk=100, bge=1, e5=0 |
| e5 | 0.6612 | 0.6576 | Topk =100, bge=0, e5=1 |
| Bge+e5 | 0.6804 | 0.6811 | Topk =1500, bge=0.3, e5=0.7 |
| Bge+bm25 | 0.6534 | 0.6497 | Topk=100, bge=1, e5= 0 |
| Bge+e5+bm25 | 0.6493 | 0.6597 | Topk =1500, bge=0.3, e5=0.7 |
| Bge-bm25 | 0.5317 | 0.5555 | Topk=100, bge=1, e5=0 |
| Bge-bm25+e5+bm25 | 0.7417 | 0.7193 | Topk=100, bge=0.7, e5=0.3 |
| Bge-bm25 + bm25 | 0.7421 | 0.7348 | Topk=100, bge=1, e5= 0 |

Giai đoạn 2:

|  |  |  |
| --- | --- | --- |
| Model | Val | Test |
| Bge + e5 | 0.7150 | 0.7155 |
| Bge-bm25+bm25 | 0.7708 | 0.7746 |