		Vietnamese Query English Context			
	Base line	Fine tune 1	Fine tune 2		
	Acc1: 0.282	Acc1: 0.440	Acc1: 0.460		
	Acc5: 0.517	Acc5: 0.654	Acc5: 0.680		
	Acc10: 0.612	Acc10: 0.722	Acc10: 0.758		
	MRR10: 0.381	MRR10: 0.527	MRR10: 0.548		
	English Query Vietnamese Context				
	Base line	Fine tune 1	Fine tune 2		
	Acc1: 0.309	Acc1: 0.434	Acc1: 0.426		
	Acc5: 0.520	Acc5: 0.632	Acc5: 0.638		
	Acc10: 0.591	Acc10: 0.708	Acc10: 0.716		
BGE-M3 bi encoder + cross encoder	MRR10: 0.397	MRR10: 0.518	MRR10: 0.515		
		English Query English Context			
	Base line	Fine tune 1	Fine tune 2		
	Acc1: 0.365	Acc1: 0.496	Acc1: 0.490		
	Acc5: 0.561	Acc5: 0.652	Acc5: 0.656		
	Acc10: 0.639	Acc10: 0.720	Acc10: 0.738		
	MRR10: 0.448	MRR10: 0.563	MRR10: 0.562		
		ietnamese Query Vietnamese Context			
	Base line	Fine tune 1	Fine tune 2		
	Acc1: 0.479	Acc1: 0.564	Acc1: 0.568		
	Acc5: 0.634	Acc5: 0.742	Acc5: 0.744		
	Acc10: 0.732	Acc10: 0.812	Acc10: 0.822		
	MRR10: 0.548	MRR10: 0.642	MRR10: 0.646		
		Vietnam	ese Query English Context		
	Base line	Vietnam No distill	ese Query English Context Self distill output	distill output with bge	Transformer distill with bge
	Base line Acc1: 0.003			distill output with bge Acc1: 0.077	Transformer distill with bge Acc1: 0.085
		No distill	Self distill output		-
	Acc1: 0.003	No distill Acc1: 0.075	Self distill output Acc1: 0.081	Acc1: 0.077	Acc1: 0.085
	Acc1: 0.003 Acc5: 0.014	No distill Acc1: 0.075 Acc5: 0.184	Self distill output Acc1: 0.081 Acc5: 0.184	Acc1: 0.077 Acc5: 0.182	Acc1: 0.085 Acc5: 0.203
	Acc1: 0.003 Acc5: 0.014 Acc10: 0.037	No distill Acc1: 0.075 Acc5: 0.184 Acc10: 0.251 MRR10: 0.121	Self distill output Acc1: 0.081 Acc5: 0.184 Acc10: 0.243	Acc1: 0.077 Acc5: 0.182 Acc10: 0.242	Acc1: 0.085 Acc5: 0.203 Acc10: 0.284
	Acc1: 0.003 Acc5: 0.014 Acc10: 0.037	No distill Acc1: 0.075 Acc5: 0.184 Acc10: 0.251 MRR10: 0.121	Self distill output Acc1: 0.081 Acc5: 0.184 Acc10: 0.243 MRR10: 0.125	Acc1: 0.077 Acc5: 0.182 Acc10: 0.242	Acc1: 0.085 Acc5: 0.203 Acc10: 0.284
	Acc1: 0.003 Acc5: 0.014 Acc10: 0.037 MRR10: 0.009	No distill Acc1: 0.075 Acc5: 0.184 Acc10: 0.251 MRR10: 0.121 English	Self distill output Acc1: 0.081 Acc5: 0.184 Acc10: 0.243 MRR10: 0.125 Query – Vietnamese Context	Acc1: 0.077 Acc5: 0.182 Acc10: 0.242 MRR10: 0.123	Acc1: 0.085 Acc5: 0.203 Acc10: 0.284 MRR10: 0.138
	Acc1: 0.003 Acc5: 0.014 Acc10: 0.037 MRR10: 0.009 Base line	No distill	Self distill output Acc1: 0.081 Acc5: 0.184 Acc10: 0.243 MRR10: 0.125 Query - Vietnamese Context Self distill output	Acc1: 0.077 Acc5: 0.182 Acc10: 0.242 MRR10: 0.123 distill output with bge	Acc1: 0.085 Acc5: 0.203 Acc10: 0.284 MRR10: 0.138 Transformer distill with bge
	Acc1: 0.003 Acc5: 0.014 Acc10: 0.037 MRR10: 0.009 Base line Acc1: 0.024	No distill	Self distill output Acc1: 0.081 Acc5: 0.184 Acc10: 0.243 MRR10: 0.125 Query – Vietnamese Context Self distill output Acc1: 0.089	Acc1: 0.077 Acc5: 0.182 Acc10: 0.242 MRR10: 0.123 distill output with bge Acc1: 0.090	Acc1: 0.085 Acc5: 0.203 Acc10: 0.284 MRR10: 0.138 Transformer distill with bge Acc1: 0.089
vim-roharta-base hi encoder	Acc1: 0.003 Acc5: 0.014 Acc10: 0.037 MRR10: 0.009 Base line Acc1: 0.024 Acc5: 0.062	No distill Acc1: 0.075 Acc5: 0.184 Acc10: 0.251 MRR10: 0.121 English Fine tune no distill Acc1: 0.079 Acc5: 0.169	Self distill output Acc1: 0.081 Acc5: 0.184 Acc10: 0.243 MRR10: 0.125 Query – Vietnamese Context Self distill output Acc1: 0.089 Acc5: 0.193	Acc1: 0.077 Acc5: 0.182 Acc10: 0.242 MRR10: 0.123 distill output with bge Acc1: 0.090 Acc5: 0.189	Acc1: 0.085 Acc5: 0.203 Acc10: 0.284 MRR10: 0.138 Transformer distill with bge Acc1: 0.089 Acc5: 0.205
xlm-roberta-base bi encoder	Acc1: 0.003 Acc5: 0.014 Acc10: 0.037 MRR10: 0.009 Base line Acc1: 0.024 Acc5: 0.062 Acc10: 0.095	No distill	Self distill output Acc1: 0.081 Acc5: 0.184 Acc10: 0.243 MRR10: 0.125 Query - Vietnamese Context Self distill output Acc1: 0.089 Acc5: 0.193 Acc10: 0.254	Acc1: 0.077 Acc5: 0.182 Acc10: 0.242 MRR10: 0.123 distill output with bge Acc1: 0.090 Acc5: 0.189 Acc10: 0.245	Acc1: 0.085 Acc5: 0.203 Acc10: 0.284 MRR10: 0.138 Transformer distill with bge Acc1: 0.089 Acc5: 0.205 Acc10: 0.268
xlm-roberta-base bi encoder	Acc1: 0.003 Acc5: 0.014 Acc10: 0.037 MRR10: 0.009 Base line Acc1: 0.024 Acc5: 0.062 Acc10: 0.095 MRR10: 0.040 Base line	No distill	Self distill output Acc1: 0.081 Acc5: 0.184 Acc10: 0.243 MRR10: 0.125 Query - Vietnamese Context Self distill output Acc1: 0.089 Acc5: 0.193 Acc10: 0.254 MRR10: 0.119	Acc1: 0.077 Acc5: 0.182 Acc10: 0.242 MRR10: 0.123 distill output with bge Acc1: 0.090 Acc5: 0.189 Acc10: 0.245	Acc1: 0.085 Acc5: 0.203 Acc10: 0.284 MRR10: 0.138 Transformer distill with bge Acc1: 0.089 Acc5: 0.205 Acc10: 0.268
xlm-roberta-base bi encoder	Acc1: 0.003 Acc5: 0.014 Acc10: 0.037 MRR10: 0.009 Base line Acc1: 0.024 Acc5: 0.062 Acc10: 0.095 MRR10: 0.040 Base line Acc1: 0.031	No distill	Self distill output Acc1: 0.081 Acc5: 0.184 Acc10: 0.243 MRR10: 0.125 Query - Vietnamese Context Self distill output Acc1: 0.089 Acc5: 0.193 Acc10: 0.254 MRR10: 0.119 h Query - English Context Self distill output Acc1: 0.119	Acc1: 0.077 Acc5: 0.182 Acc10: 0.242 MRR10: 0.123 distill output with bge Acc1: 0.090 Acc5: 0.189 Acc10: 0.245 MRR10: 0.132 distill output with bge Acc1: 0.114	Acc1: 0.085
xlm-roberta-base bi encoder	Acc1: 0.003 Acc5: 0.014 Acc10: 0.037 MRR10: 0.009 Base line Acc1: 0.024 Acc5: 0.062 Acc10: 0.095 MRR10: 0.040 Base line	No distill	Self distill output	Acc1: 0.077 Acc5: 0.182 Acc10: 0.242 MRR10: 0.123 distill output with bge Acc1: 0.090 Acc5: 0.189 Acc10: 0.245 MRR10: 0.132 distill output with bge	Acc1: 0.085 Acc5: 0.203 Acc10: 0.284 MRR10: 0.138 Transformer distill with bge Acc1: 0.089 Acc5: 0.205 Acc10: 0.268 MRR10: 0.139 Transformer distill with bge
xlm-roberta-base bi encoder	Acc1: 0.003 Acc5: 0.014 Acc10: 0.037 MRR10: 0.009 Base line Acc1: 0.024 Acc5: 0.062 Acc10: 0.095 MRR10: 0.040 Base line Acc1: 0.024	No distill	Self distill output	Acc1: 0.077 Acc5: 0.182 Acc10: 0.242 MRR10: 0.123 distill output with bge Acc1: 0.090 Acc5: 0.189 Acc10: 0.245 MRR10: 0.132 distill output with bge Acc1: 0.114	Acc1: 0.085
xlm-roberta-base bi encoder	Acc1: 0.003 Acc5: 0.014 Acc10: 0.037 MRR10: 0.009 Base line Acc1: 0.024 Acc5: 0.062 Acc10: 0.095 MRR10: 0.040 Base line Acc1: 0.031 Acc5: 0.062	No distill	Self distill output	Acc1: 0.077 Acc5: 0.182 Acc10: 0.242 MRR10: 0.123 distill output with bge Acc1: 0.090 Acc5: 0.189 Acc10: 0.245 MRR10: 0.132 distill output with bge Acc1: 0.114 Acc5: 0.218	Acc1: 0.085
xlm-roberta-base bi encoder	Acc1: 0.003 Acc5: 0.014 Acc10: 0.037 MRR10: 0.009 Base line Acc1: 0.024 Acc5: 0.062 Acc10: 0.095 MRR10: 0.040 Base line Acc1: 0.040 Acc6: 0.062 Acc10: 0.094 MRR10: 0.094	No distill Acc1: 0.075 Acc5: 0.184 Acc10: 0.251 MRR10: 0.121 English Fine tune no distill Acc1: 0.079 Acc5: 0.169 Acc10: 0.235 MRR10: 0.119 Englis Fine tune no distill Acc1: 0.079 Acc5: 0.169 Acc10: 0.235 MRR10: 0.119	Self distill output Acc1: 0.081 Acc5: 0.184 Acc10: 0.243 MRR10: 0.125 Query - Vietnamese Context Self distill output Acc1: 0.089 Acc5: 0.193 Acc10: 0.254 MRR10: 0.119 h Query - English Context Self distill output Acc1: 0.0114 Acc5: 0.220 Acc10: 0.282 MRR10: 0.160 e Query - Vietnamese Context	Acc1: 0.077 Acc5: 0.182 Acc10: 0.242 MRR10: 0.123 distill output with bge Acc1: 0.090 Acc5: 0.189 Acc10: 0.245 MRR10: 0.132 distill output with bge Acc1: 0.114 Acc5: 0.218 Acc10: 0.279 MRR10: 0.160	Acc1: 0.085
xlm-roberta-base bi encoder	Acc1: 0.003 Acc5: 0.014 Acc10: 0.037 MRR10: 0.009 Base line Acc1: 0.024 Acc5: 0.062 Acc10: 0.095 MRR10: 0.040 Base line Acc1: 0.031 Acc5: 0.062 Acc10: 0.094 Base line Acc1: 0.031 Acc5: 0.062 Acc10: 0.094 MRR10: 0.046 Base line	No distill	Self distill output Acc1: 0.081 Acc5: 0.184 Acc10: 0.243 MRR10: 0.125 Query - Vietnamese Context Self distill output Acc1: 0.089 Acc5: 0.193 Acc10: 0.254 MRR10: 0.119 h Query - English Context Self distill output Acc1: 0.114 Acc5: 0.220 Acc10: 0.282 MRR10: 0.160 e Query - Vietnamese Context Self distill output	Acc1: 0.077 Acc5: 0.182 Acc10: 0.242 MRR10: 0.123 distill output with bge Acc1: 0.090 Acc5: 0.189 Acc10: 0.245 MRR10: 0.132 distill output with bge Acc1: 0.114 Acc5: 0.218 Acc10: 0.279 MRR10: 0.160 distill output with bge	Acc1: 0.085
xlm-roberta-base bi encoder	Acc1: 0.003 Acc5: 0.014 Acc10: 0.037 MRR10: 0.009 Base line Acc1: 0.024 Acc5: 0.062 Acc10: 0.095 MRR10: 0.040 Base line Acc1: 0.031 Acc6: 0.062 Acc10: 0.094 MRR10: 0.040 Base line Acc1: 0.031 Acc6: 0.062 Acc10: 0.094 MRR10: 0.046 Base line Acc1: 0.038	No distill	Self distill output	Acc1: 0.077 Acc5: 0.182 Acc10: 0.242 MRR10: 0.123 distill output with bge Acc1: 0.090 Acc5: 0.189 Acc10: 0.245 MRR10: 0.132 distill output with bge Acc1: 0.114 Acc5: 0.218 Acc10: 0.279 MRR10: 0.160 distill output with bge Acc1: 0.177	Acc1: 0.085
xlm-roberta-base bi encoder	Acc1: 0.003 Acc5: 0.014 Acc10: 0.037 MRR10: 0.009 Base line Acc1: 0.024 Acc5: 0.062 Acc10: 0.095 MRR10: 0.040 Base line Acc1: 0.024 Acc5: 0.062 Acc10: 0.095 MRR10: 0.040 Base line Acc1: 0.031 Acc5: 0.062 Acc10: 0.094 MRR10: 0.046 Base line Acc1: 0.038 Acc5: 0.103	No distill	Self distill output	Acc1: 0.077 Acc5: 0.182 Acc10: 0.242 MRR10: 0.123 distill output with bge Acc1: 0.090 Acc5: 0.189 Acc10: 0.245 MRR10: 0.132 distill output with bge Acc1: 0.114 Acc5: 0.218 Acc10: 0.279 MRR10: 0.160 distill output with bge Acc1: 0.177 Acc5: 0.317	Acc1: 0.085
xlm-roberta-base bi encoder	Acc1: 0.003 Acc5: 0.014 Acc10: 0.037 MRR10: 0.009 Base line Acc1: 0.024 Acc5: 0.062 Acc10: 0.095 MRR10: 0.040 Base line Acc1: 0.031 Acc6: 0.062 Acc10: 0.094 MRR10: 0.040 Base line Acc1: 0.031 Acc6: 0.062 Acc10: 0.094 MRR10: 0.046 Base line Acc1: 0.038	No distill	Self distill output	Acc1: 0.077 Acc5: 0.182 Acc10: 0.242 MRR10: 0.123 distill output with bge Acc1: 0.090 Acc5: 0.189 Acc10: 0.245 MRR10: 0.132 distill output with bge Acc1: 0.114 Acc5: 0.218 Acc10: 0.279 MRR10: 0.160 distill output with bge Acc1: 0.177	Acc1: 0.085