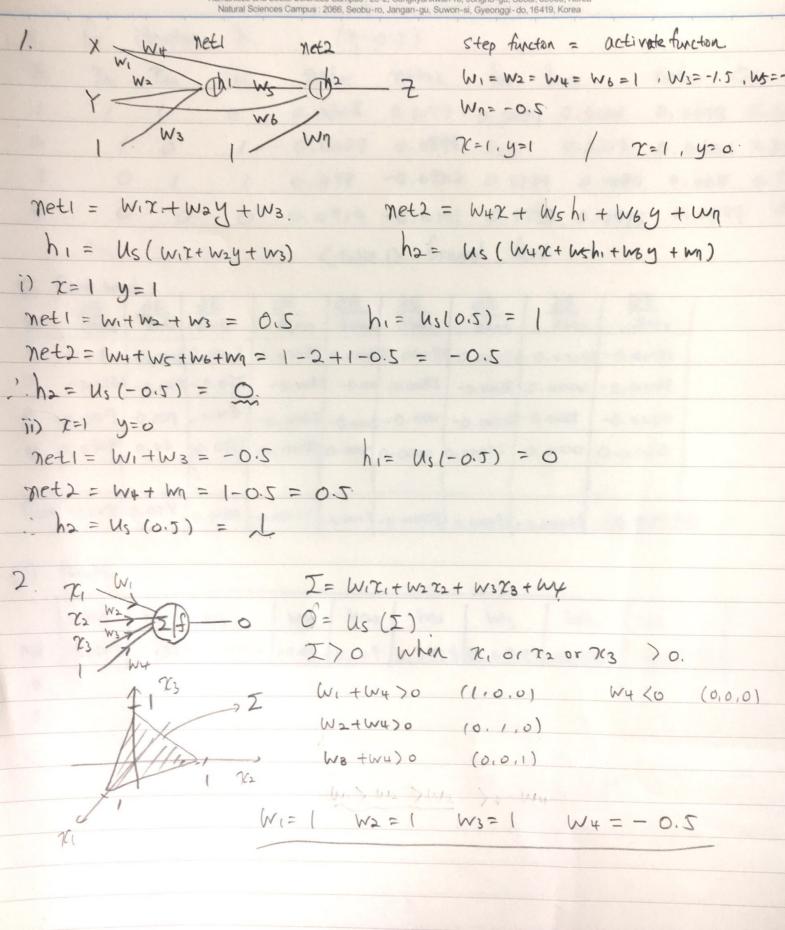
Humanities and Social Sciences Campus: 25-2, Sungkyunkwan-ro, Jongno-gu, Seoul, 03063, Korea

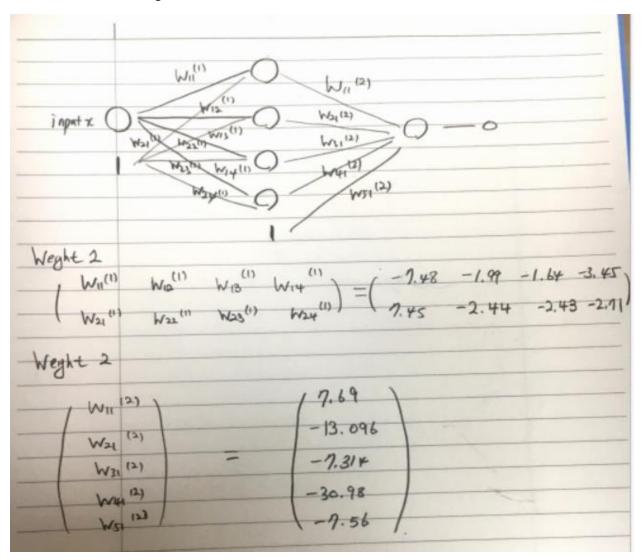




Humanities and Social Sciences Campus: 25-2, Sungkyunkwan-ro, Jongno-gu, Seoul, 03063, Korea Natural Sciences Campus: 2066, Seobu-ro, Jangan-gu, Suwon-si, Gyeonggi-do, 16419, Korea

			Humanities and Social Natural Sciences (Jongno-gu, Seoul si, Gyeonggi-do, 1				-
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2	/	0	1	0.00	28	0.0878	0.5	0.	5219	0.0651	
3	0	1	1	0.119	18 -	-0.080			0.4850	0.064	
4	0	0	0			-0.010			0.4915	0,0647	0.
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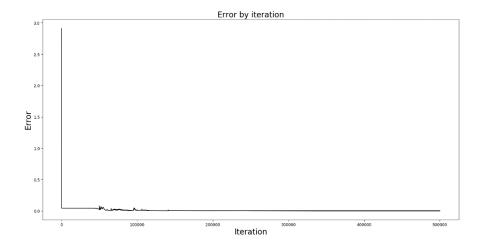
4. the final values of weights



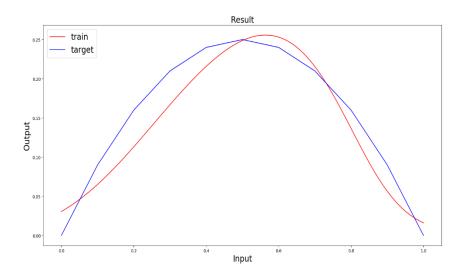
실제 결과값

```
[[-7.47988215 -1.99361267 -1.63566339 -3.44533889]
[ 7.4514876 -2.43646043 -2.4235325 -2.7121973 ]]
[[ 7.68698188]
[-13.0959445 ]
[ -7.31426573]
[-30.98205344]
[ -7.56088407]]
```

Figure1 < weight1 & weight2>



<Graph1> Error by iteration



<Graph2> Result from 500000 iteration