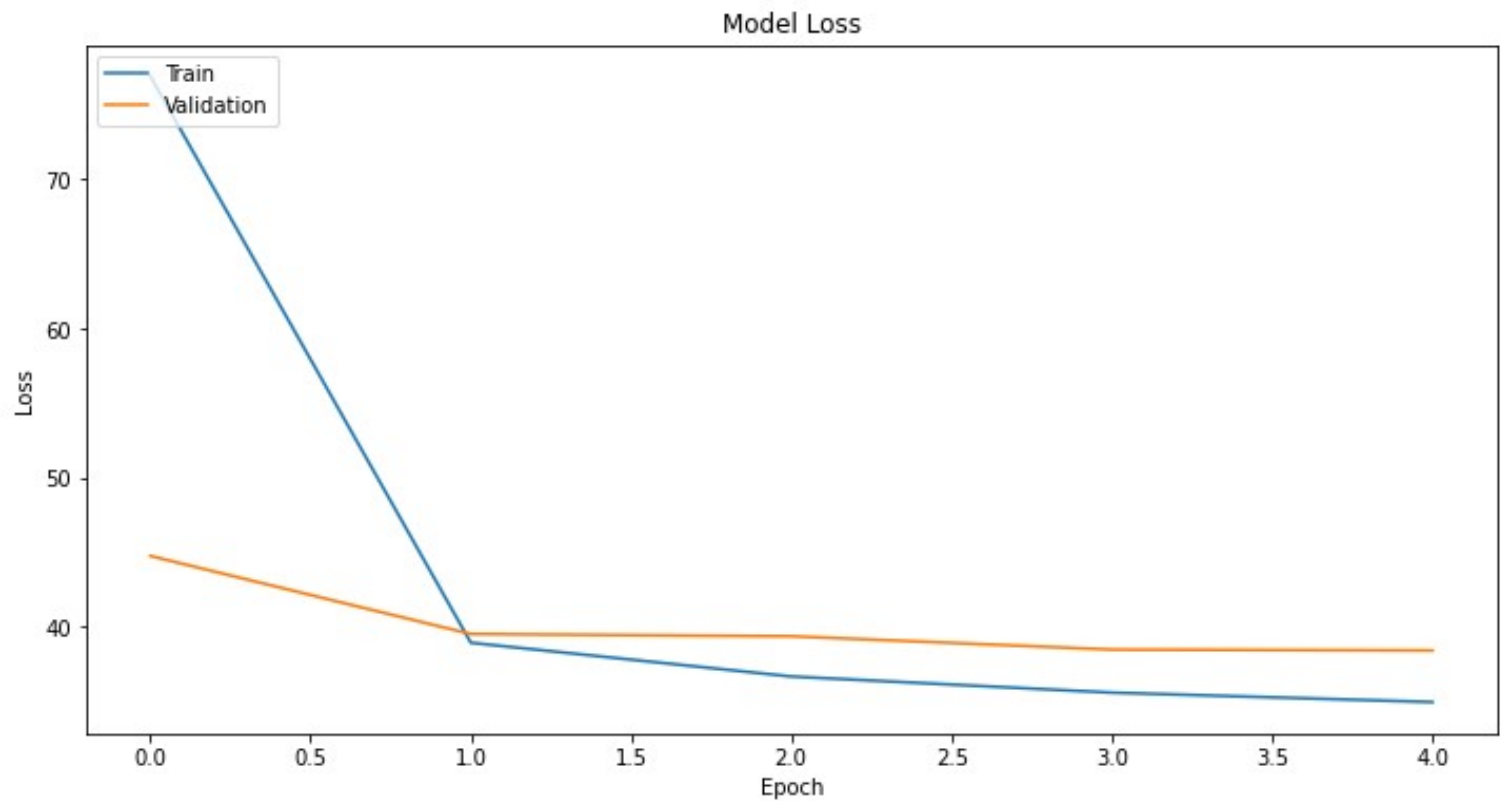
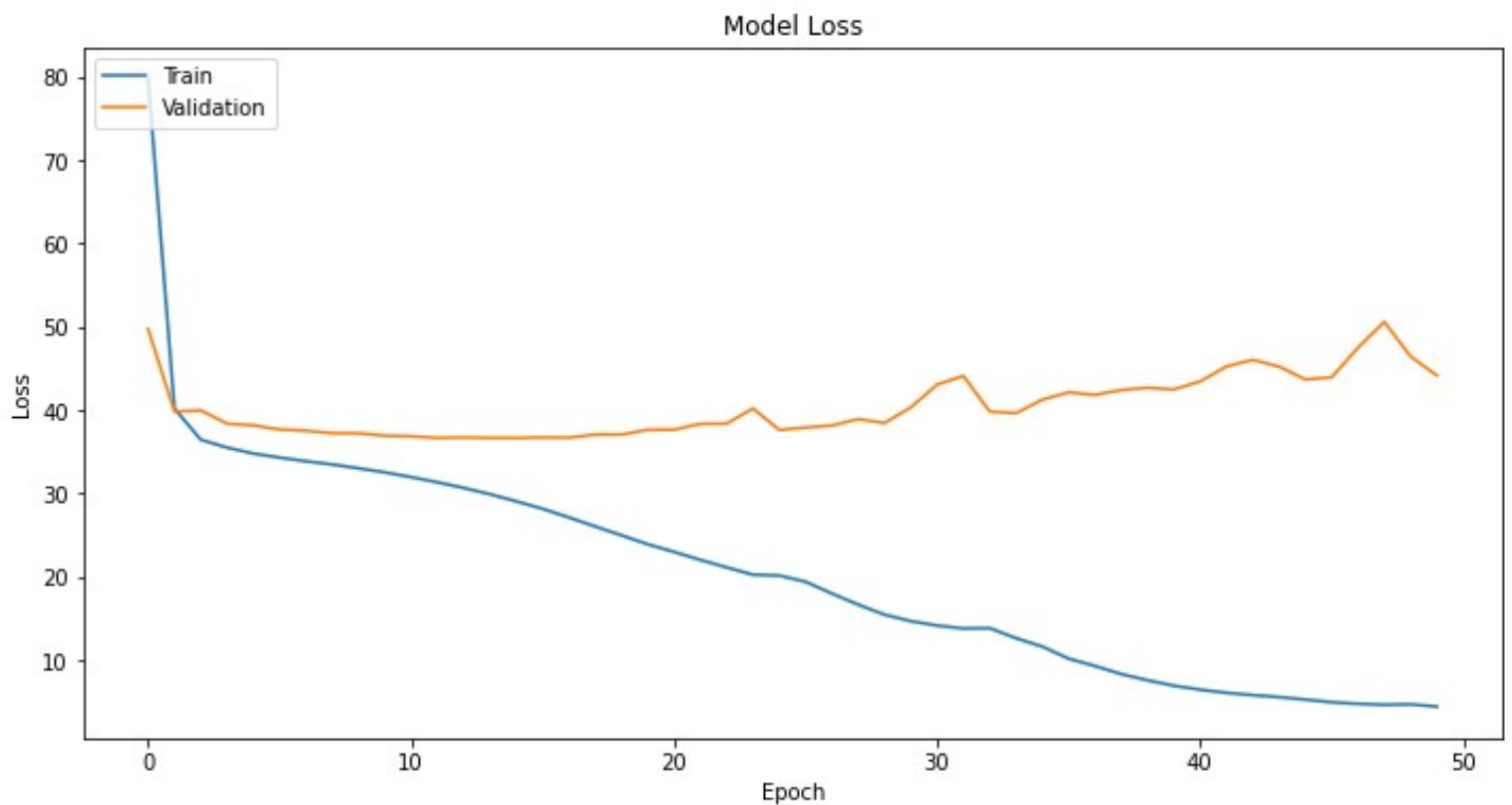


Training Curves

With 10 epochs :

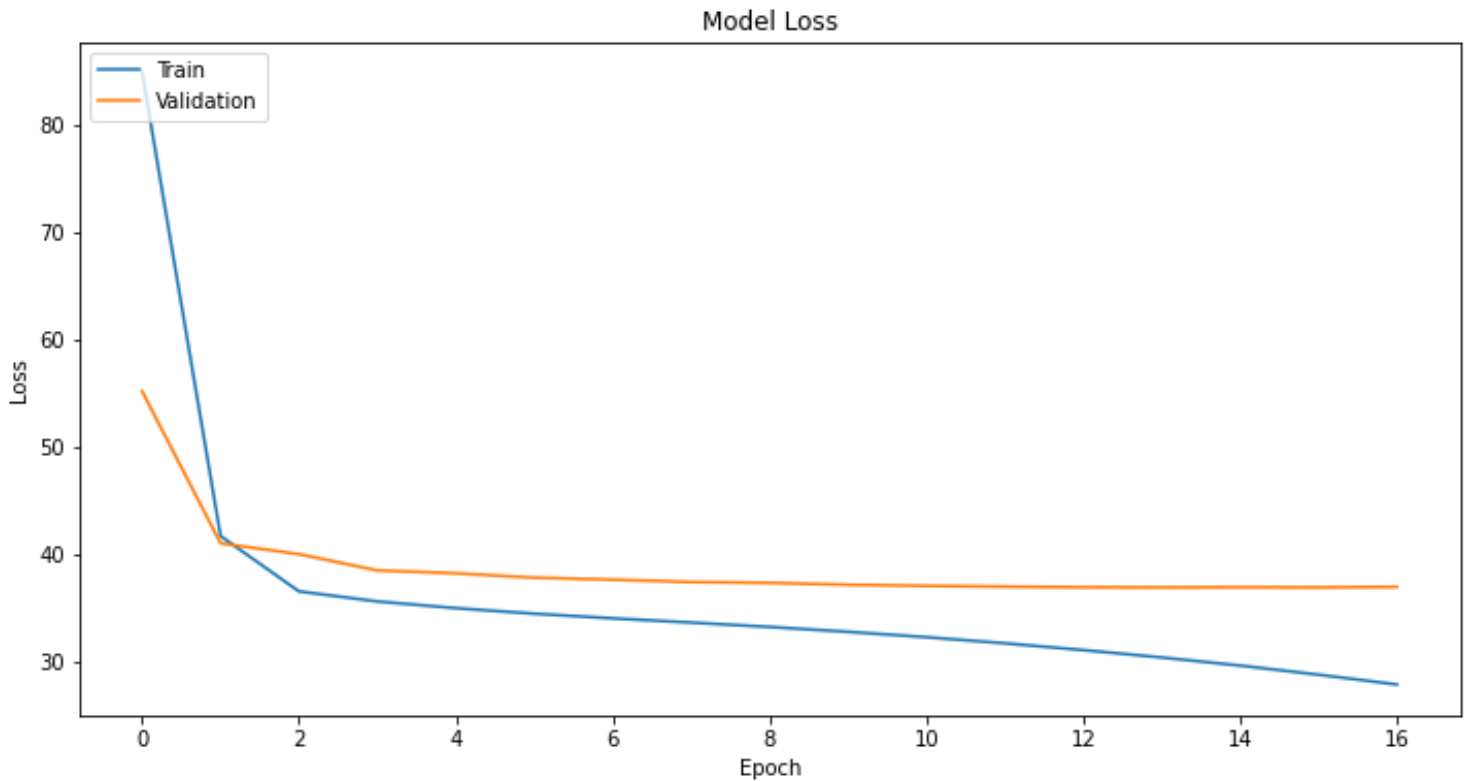


With 50 epochs :

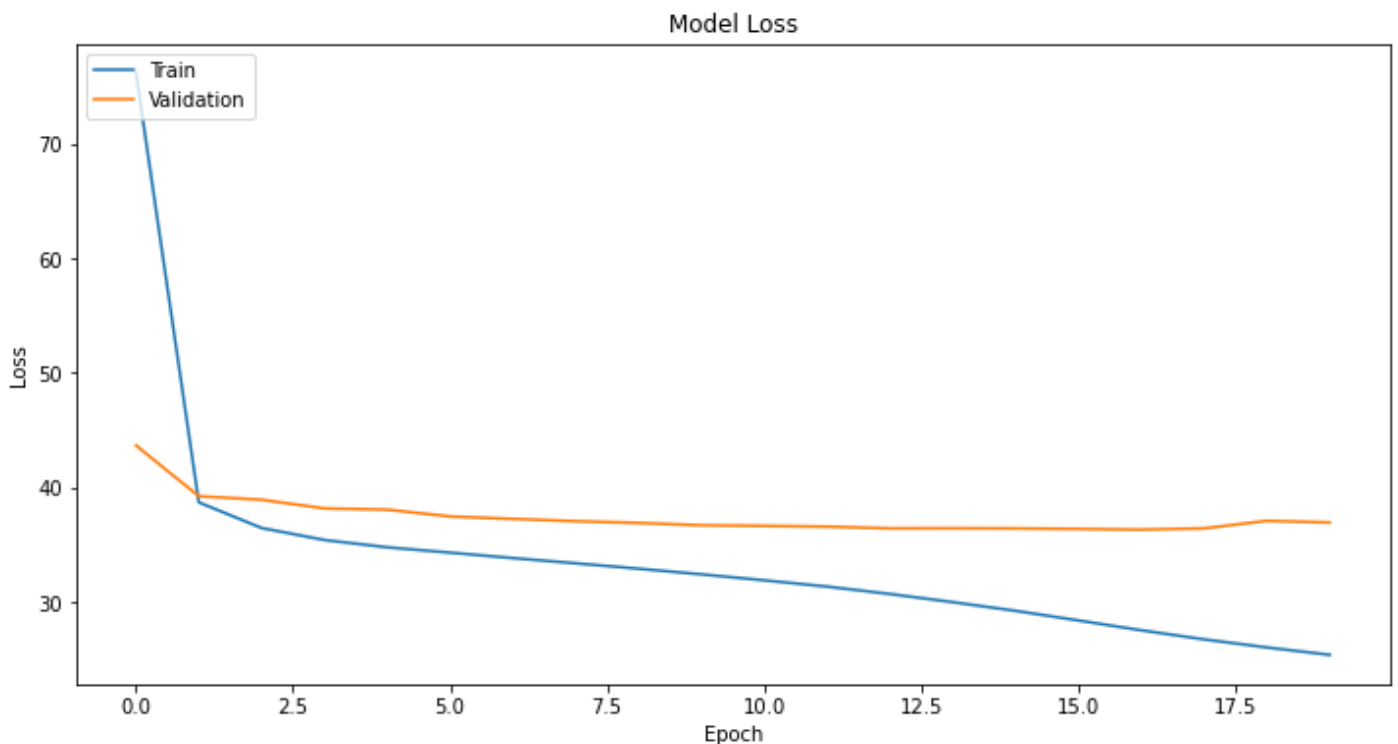


Training Curves

With 50 epochs with early stopping (17 epochs) :

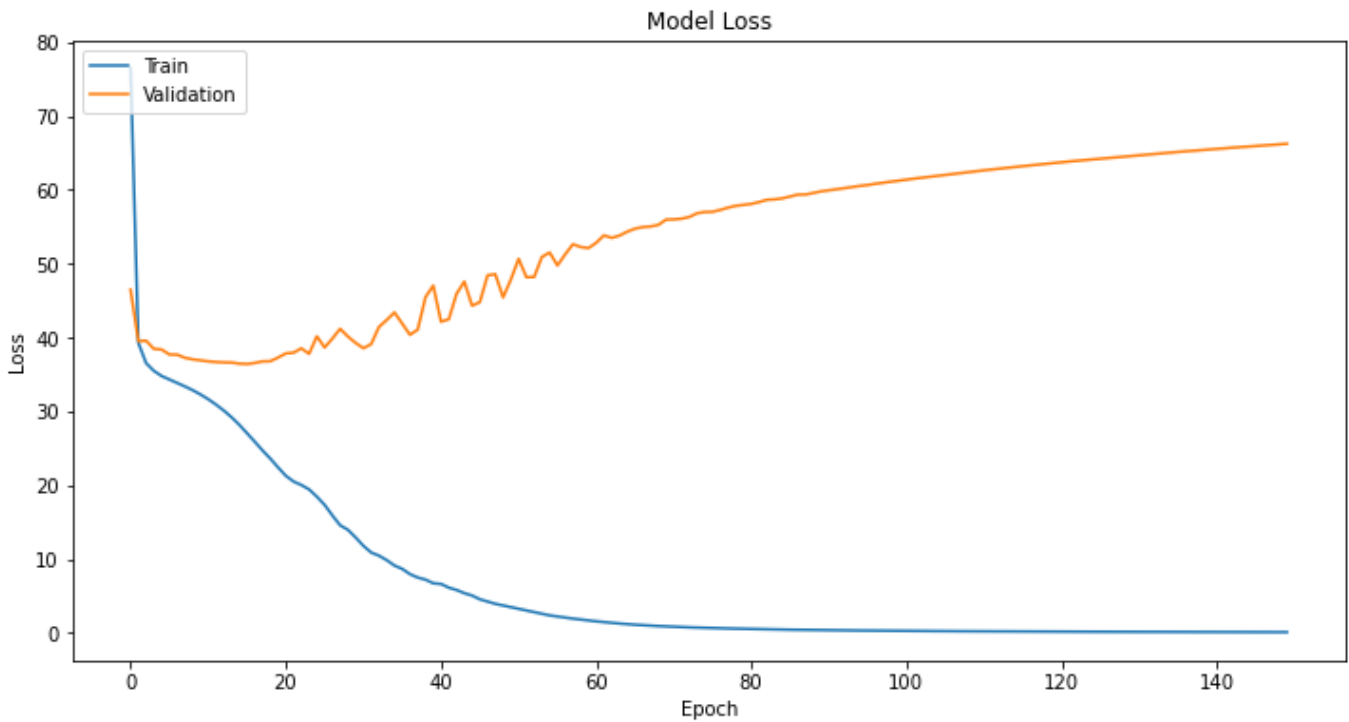


With 30 epochs:

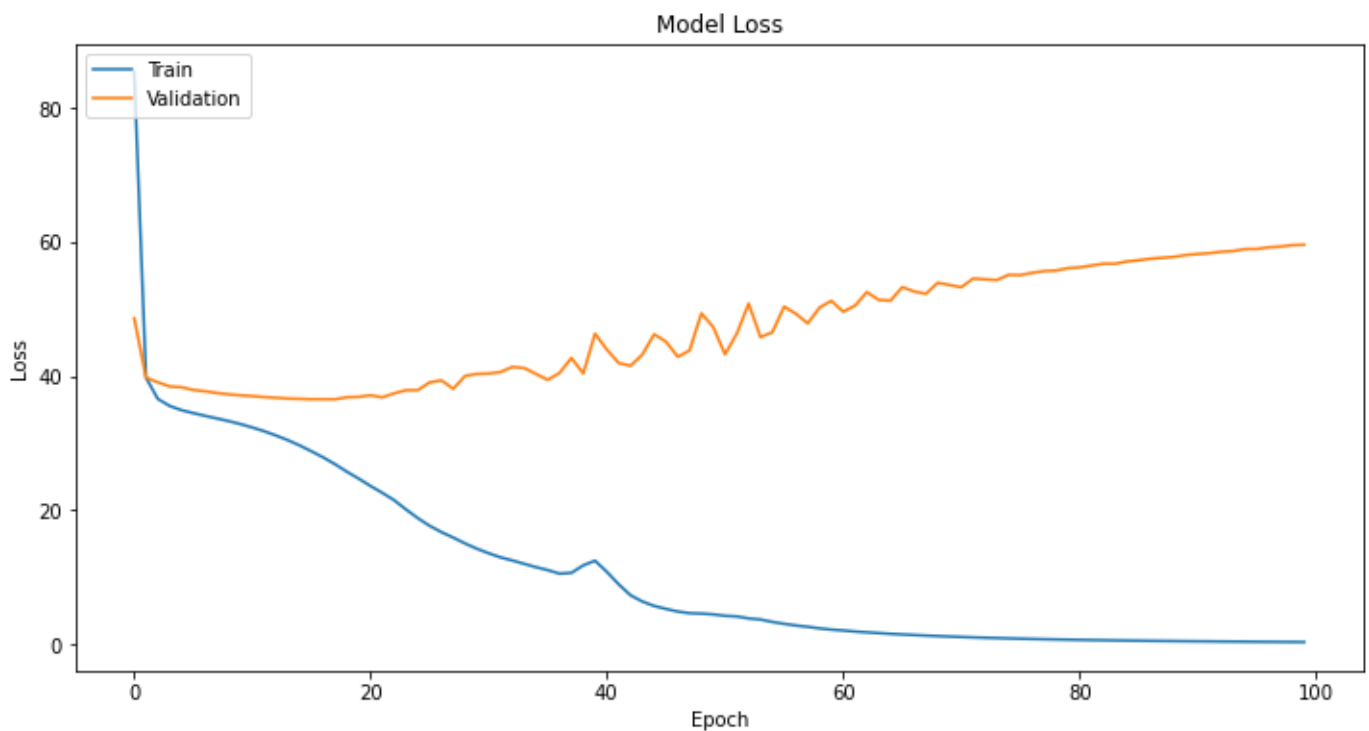


Training Curves

With 150 epochs :



With 100 epochs:



Results

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
0	0.00147541	6.51231e-06	7.83352e-05	0.0175855	0.0142667	0.126787	0.0376864	8.34298e-05	0.00124443	0.0550748	1.36322e-05	0.00245433	0.000306165	0.00010788	0.000548578	4.65397e-06	0.0766605	0.0267129	0.1
1	0.000900579	7.82411e-07	1.26832e-05	0.00264469	0.00166654	0.0345633	0.0283496	2.80392e-05	0.00238414	0.0719436	1.09619e-05	0.00182989	0.000285546	3.53287e-05	0.00030718	1.04438e-06	0.00302121	0.0114501	0.1
2	0.0019785	3.13134e-07	1.75131e-05	0.00257886	0.00033233	0.0306155	0.0152077	2.58344e-05	0.00487769	0.024285	4.45786e-06	0.00250176	0.000181598	0.000145074	0.000348519	1.95227e-06	7.8295e-05	0.00197323	3.1
3	0.000682238	5.32891e-08	1.34167e-05	0.000250282	3.95443e-05	0.0146574	0.0189557	2.75033e-05	0.00520175	0.00259235	1.4859e-06	0.000571798	0.000118696	4.99338e-05	0.00048333	8.74256e-07	3.78845e-06	0.000162045	9.1
4	0.000283364	1.92114e-08	4.81441e-06	0.000192821	1.19879e-05	0.0199972	0.00554414	2.22283e-05	0.000891262	0.000216936	4.18162e-07	0.000250054	2.20057e-05	1.73364e-05	0.00015952	9.59089e-07	7.00045e-07	1.36916e-05	1.1
5	0.00053164	1.27383e-08	5.78225e-06	7.64807e-05	2.21626e-06	0.0248508	0.00101369	5.35908e-06	2.54829e-05	5.13079e-05	1.84409e-07	0.000106323	1.72662e-05	1.05893e-05	4.4001e-05	5.9023e-07	1.86201e-07	2.82175e-06	3.1
6	0.000793496	8.17323e-08	3.31679e-05	7.73326e-05	1.13709e-05	0.0510553	0.00201939	4.30584e-05	4.28976e-05	0.000121303	2.03048e-06	0.000630014	3.38379e-05	2.38982e-05	0.000430089	9.29488e-07	1.29651e-06	1.14573e-05	3.1
7	0.00117825	7.85463e-08	0.000129743	3.11646e-05	3.72432e-06	0.0597374	0.00619799	9.40555e-05	5.03257e-05	0.000310940	5.57443e-06	0.000655631	0.000110739	4.00745e-05	0.000694042	2.09904e-06	3.37653e-06	8.41151e-06	2.1
8	0.00183932	9.96621e-08	4.30833e-05	1.05087e-05	6.46334e-06	0.346063	0.0176945	0.000100754	0.000810222	0.00578021	8.42618e-06	0.000580335	0.000763634	2.62522e-05	0.00216761	3.46231e-06	9.60817e-06	2.70288e-05	0.1
9	0.0015808	1.35426e-07	7.77985e-05	1.73426e-05	6.28169e-06	0.485146	0.0610728	2.89666e-05	4.83542e-05	0.00537354	3.6862e-06	0.000162636	0.000574584	1.56126e-05	0.00272031	2.81106e-06	1.19348e-05	2.00182e-05	0.1
10	0.000789487	1.8269e-07	2.04294e-05	2.93836e-05	4.88886e-06	0.515475	0.12954	1.72473e-05	3.31749e-05	0.0035193	2.11802e-06	6.11829e-05	0.000459717	2.46746e-05	0.00116565	4.71556e-07	7.4285e-06	1.2742e-05	0.1
11	0.000507762	1.08474e-07	1.67566e-05	3.75055e-05	4.40783e-06	0.508956	0.0024007	2.74585e-05	3.36837e-05	0.00422848	2.59547e-06	6.60237e-05	0.000512148	1.74377e-05	0.00103286	2.10167e-07	7.49938e-06	5.97629e-06	0.1
12	0.000384459	1.01075e-07	9.32417e-06	0.000297518	3.53067e-06	0.357385	0.0320285	4.38304e-05	7.62785e-05	0.00199096	9.69077e-06	0.00014866	0.000159372	1.92544e-05	0.00144068	3.94198e-07	3.48736e-06	6.4233e-06	0.1
13	0.00114441	6.35813e-07	1.71888e-06	4.82516e-05	1.16724e-06	0.0806286	0.0121786	2.76318e-05	6.54032e-05	0.0195004	2.70172e-05	9.52671e-05	0.000523729	1.85356e-05	0.000756141	1.97191e-08	3.34179e-06	1.9809e-05	0.1
14	0.000399665	4.53946e-07	1.16409e-06	3.57655e-05	4.52465e-07	0.00544595	0.000937873	0.000112064	4.38013e-05	0.00247594	1.26575e-05	1.74219e-05	7.87074e-05	1.04847e-05	0.000491927	1.81803e-08	1.36592e-06	8.02178e-06	5.1
15	0.000309424	6.29199e-07	1.39282e-06	8.45313e-06	4.29947e-07	0.00053106	0.00122387	2.22608e-05	1.71949e-05	0.000192819	1.27765e-05	6.40282e-06	5.1671e-05	4.2421e-06	0.00024588	9.57144e-09	8.7123e-07	1.95854e-06	1.1
16	0.000145824	4.83446e-07	1.18229e-06	1.3073e-05	6.23483e-07	0.000452702	0.00266134	2.47089e-05	1.71706e-05	3.2564e-05	5.0018e-06	5.44938e-06	3.4464e-05	4.96295e-06	0.000128449	1.32891e-08	7.28527e-07	3.13645e-06	1.1
17	0.000112991	1.7184e-07	1.58769e-06	2.10962e-05	2.87476e-07	0.00052997	0.00278252	1.83776e-05	1.24126e-05	0.24376e-05	1.95634e-06	4.04752e-06	2.07746e-05	3.14004e-06	0.000165285	5.61036e-09	7.28274e-07	1.01405e-06	2.1
18	0.000122369	1.16323e-07	8.6958e-07	9.29094e-06	2.59623e-07	0.000674505	0.00313121	1.22507e-05	1.20441e-05	0.84189e-05	1.15156e-06	3.91771e-06	2.01741e-05	5.20002e-06	0.000117484	4.98452e-09	6.92916e-07	1.34615e-06	1.1

```
Incorrect: True word = ['maB', 'thM', 'laM', 'yaM', 'naE'], Decoded word = teE
Incorrect: True word = ['raA', 'aeA', 'seA', 'aaA', 'laB', 'dhE11L', 'raA', 'aaA', 'ayA'], Decoded word = aaA
Incorrect: True word = ['waA', 'aaA', 'daA', 'yaA', 'maB', 'aaE1111laM', 'kaA'], Decoded word = 7AaaElaM
Incorrect: True word = ['maB', 'aaE', 'jaB', 'laE', 'baB', 'laM', 'ayM', 'baM11L', 'aaE', 'seA'], Decoded word = waEraE
Incorrect: True word = ['heB', 'dhe', 'yaB', 'laE'], Decoded word =
Incorrect: True word = ['seB', 'yaM', 'daE', 'yaA', 'saB', 'aaE', 'laB', 'haE'], Decoded word = aaAlaB
Incorrect: True word = ['zaA', 'aaA', 'waA', 'yaB', 'teE', 'kaB', 'naM', 'toM', 'shE'], Decoded word = raE
Incorrect: True word = ['seB', 'yaM', 'daE', 'yaA', 'baB', 'waE', 'baB', 'keM11L', 'raE'], Decoded word = laB
Incorrect: True word = ['kaB', 'baM', 'aaE1111laM', 'toA'], Decoded word =
Incorrect: True word = ['keB', 'maM', 'baM', 'waE', 'toA'], Decoded word =
Incorrect: True word = ['shB', 'raE', 'baB', 'aaE', 'naA'], Decoded word =
Incorrect: True word = ['seB', 'yaM', 'daE', 'yaA', 'aaA', 'laB', 'zaM11L', 'aaE', 'heB', 'raE'], Decoded word = laBbaM
Incorrect: True word = ['baB', 'alM', 'raE', 'ayB', 'laM', 'yaE', 'baB', 'naE', 'khB', 'laM', 'yaM', 'faM', 'heE'], Decoded word = aaA
Incorrect: True word = ['maB', 'keM', 'thM', 'raE'], Decoded word =
Incorrect: True word = ['ayB', 'yaM', 'naE', 'maB', 'dhe', 'aaA', 'keB', 'raE'], Decoded word = aaA
Incorrect: True word = ['kaB', 'saM', 'raE', 'aaA', 'laB', 'maM', 'kaM', 'aaE', 'baB', 'laM', 'teE'], Decoded word = aaA
Incorrect: True word = ['aaA', 'laB', 'dhe', 'raA', 'yaB', 'ayM', 'aaE', 'taA'], Decoded word = laBaaEraE
Incorrect: True word = ['baB', 'raE', 'aaA', 'keB', 'teE', 'aaA', 'laB', 'seM', 'aaE', 'haB', 'laE'], Decoded word = raA
Incorrect: True word = ['aaA', 'laB', 'daE', 'khB11L', 'aaE', 'naB', 'yaM', 'teE'], Decoded word = naB
Incorrect: True word = ['haB', 'yaE11L', 'aaA', 'laB', 'taM', 'haM', 'raE', 'yaB', 'raE'], Decoded word = aaAlaB
Incorrect: True word = ['aaA', 'laB', '-', 'waE', 'aaA', 'maB', 'khE'], Decoded word = maB
Incorrect: True word = ['seB', 'yaM', 'daE', 'yaA', 'faB', 'taM', 'haE', 'aaA', 'laB', 'laM11L', 'heE'], Decoded word = haB
Incorrect: True word = ['seB', 'yaM', 'daE', 'yaA', 'aaA', 'baB', 'raE', 'aaA', 'heB', 'yaM', 'maE', 'aaA', 'laB', 'zaE', 'heB11L', 'aaE', 'raA'], Decoded word = kaB
Incorrect: True word = ['aaA', 'maM1aB', 'ayM', 'maM', 'waE', 'raA', 'teA'], Decoded word = laB
Incorrect: True word = ['aaA', 'laB', 'raE11L', 'deB', 'aaE', 'ayA'], Decoded word =
Incorrect: True word = ['daA', 'waA11L', 'aaA', 'raA', 'aaA', 'laB', 'laM11L', 'waE', 'aaA', 'taB', 'heE'], Decoded word = aaA
Incorrect: True word = ['kaB', 'baM', 'aaE1aM', '-'], Decoded word = naB
Incorrect: True word = ['daA', 'aaA', 'raA', 'shB', 'ayM', 'baM', 'aaE', 'naA', 'aaA', 'laB', 'shM', 'aaE', 'toB', 'eeE', 'hhA'], Decoded word = baB
```

Results

	Inde ▲	Type	Size	
	28	str	6	aaAaaE
	29	str	6	aaEyaE
	30	str	12	laBnaMllLraA
	31	str	9	aaAraEteE
	32	str	21	taBwaAnaBwaAnaByaBfaB
	33	str	12	aaAlaBaaAmaM
	34	str	36	aaAlaBaaAlaBaaAlaBaaAlaBaaAlaBaaAaaE
	35	str	12	aaAlaBaaEraE
	36	str	12	aaEaaAaaEraE
	37	str	12	maAaaAteEwaE
	38	str	6	waEteE
	39	str	6	ayBteE
	40	str	12	laBaaAnaAraE
	41	str	6	maBteE
	42	str	6	raEteE
	43	str	18	aaAlaBaaAlaBaaEwaE
	44	str	18	aaAlaBteEraEteEraE
	45	str	15	kaBlaBaaAlaBaaA
	46	str	9	daAaaAteE
	47	str	9	aaAlaBdaE
	48	str	9	aaAlaBaaA
	49	str	6	laBraE
	50	str	9	ayBteEaaA
	51	str	9	aaAlaBraE
	52	str	9	aaAaaEraA
	53	str	6	kaBaaA
	54	str	3	aaA
	55	str	12	aaAlaBaaAraE
	56	str	9	aaAlaBaaA