

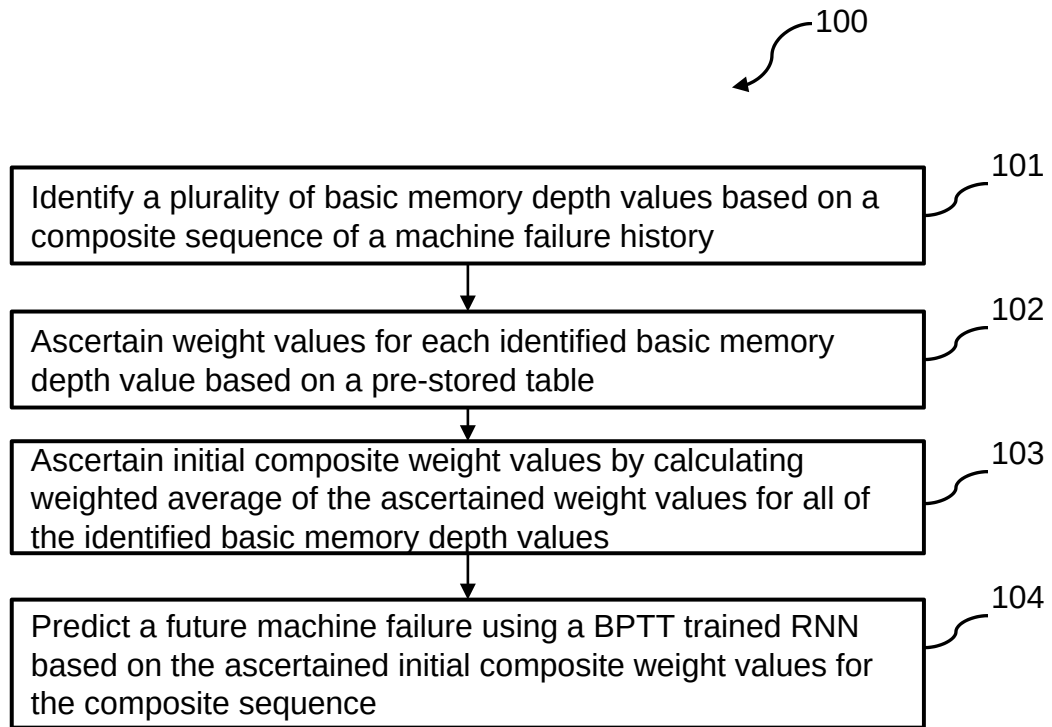


Figure 1 A

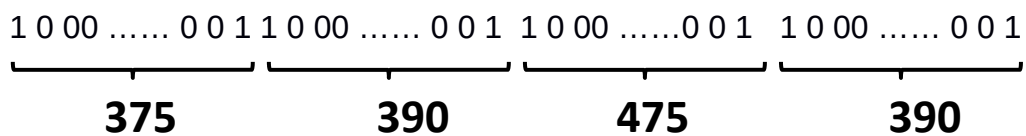


Figure 1B

1 0 0 0 0 0 1 0 0 0 0 0 1 0 0 0 0 0 1 0 0 0 0 0 1

Figure 1C

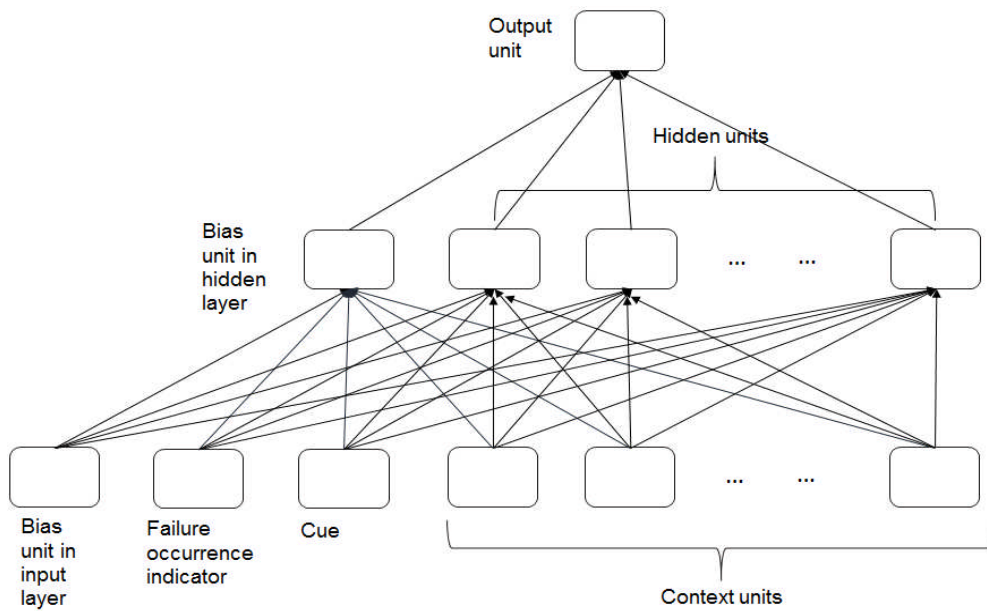


Figure 2

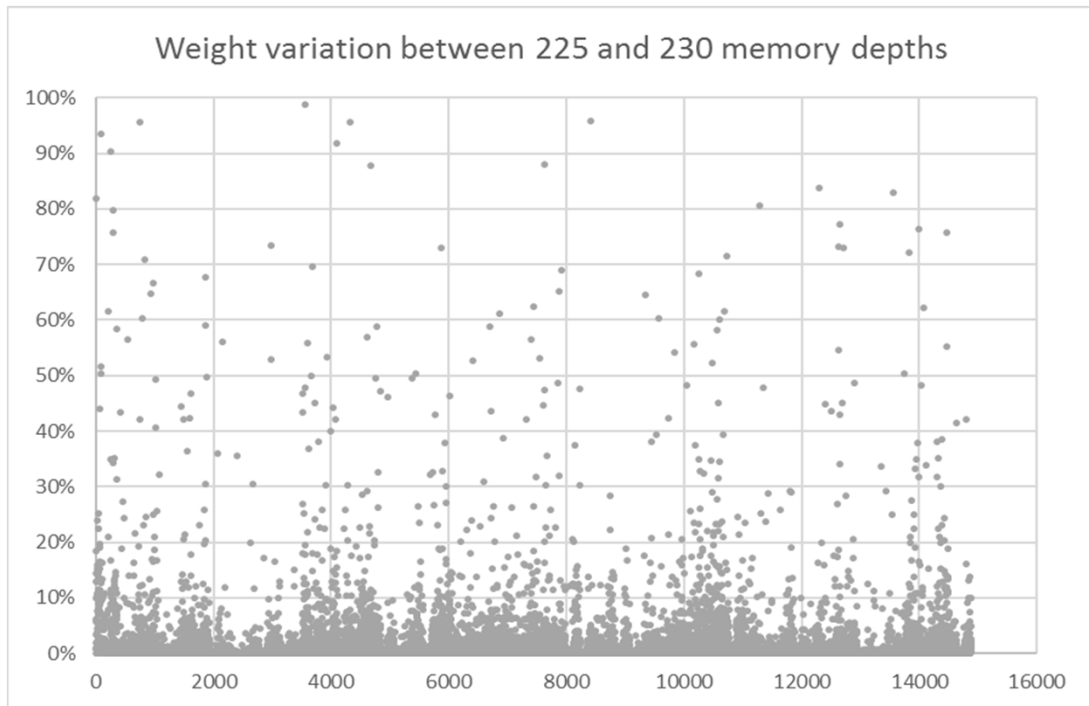


Figure 3A

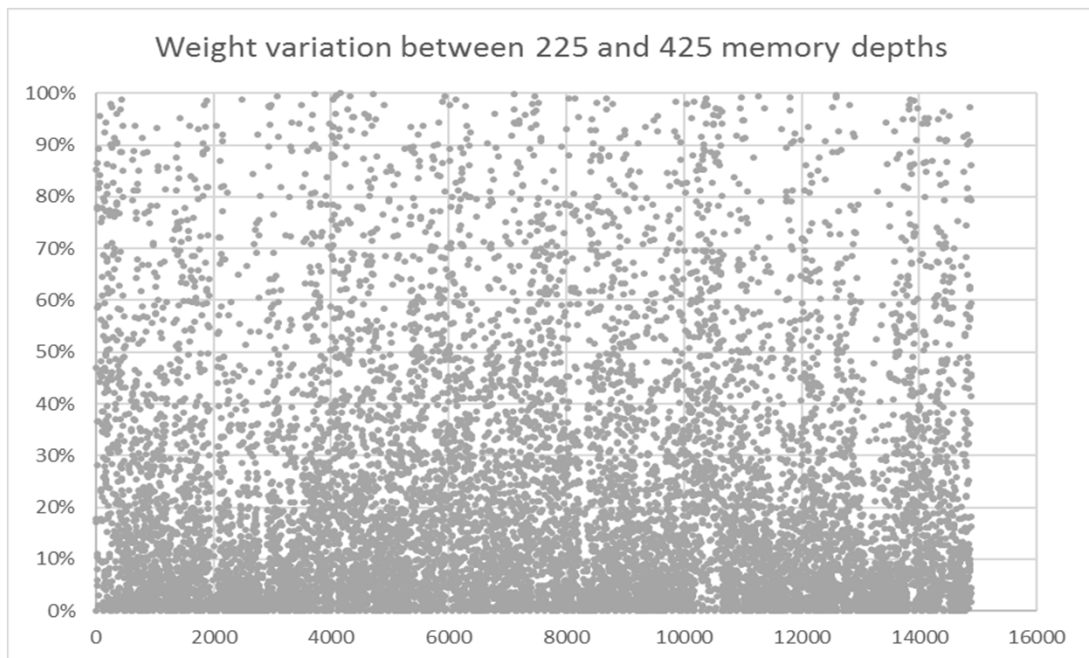
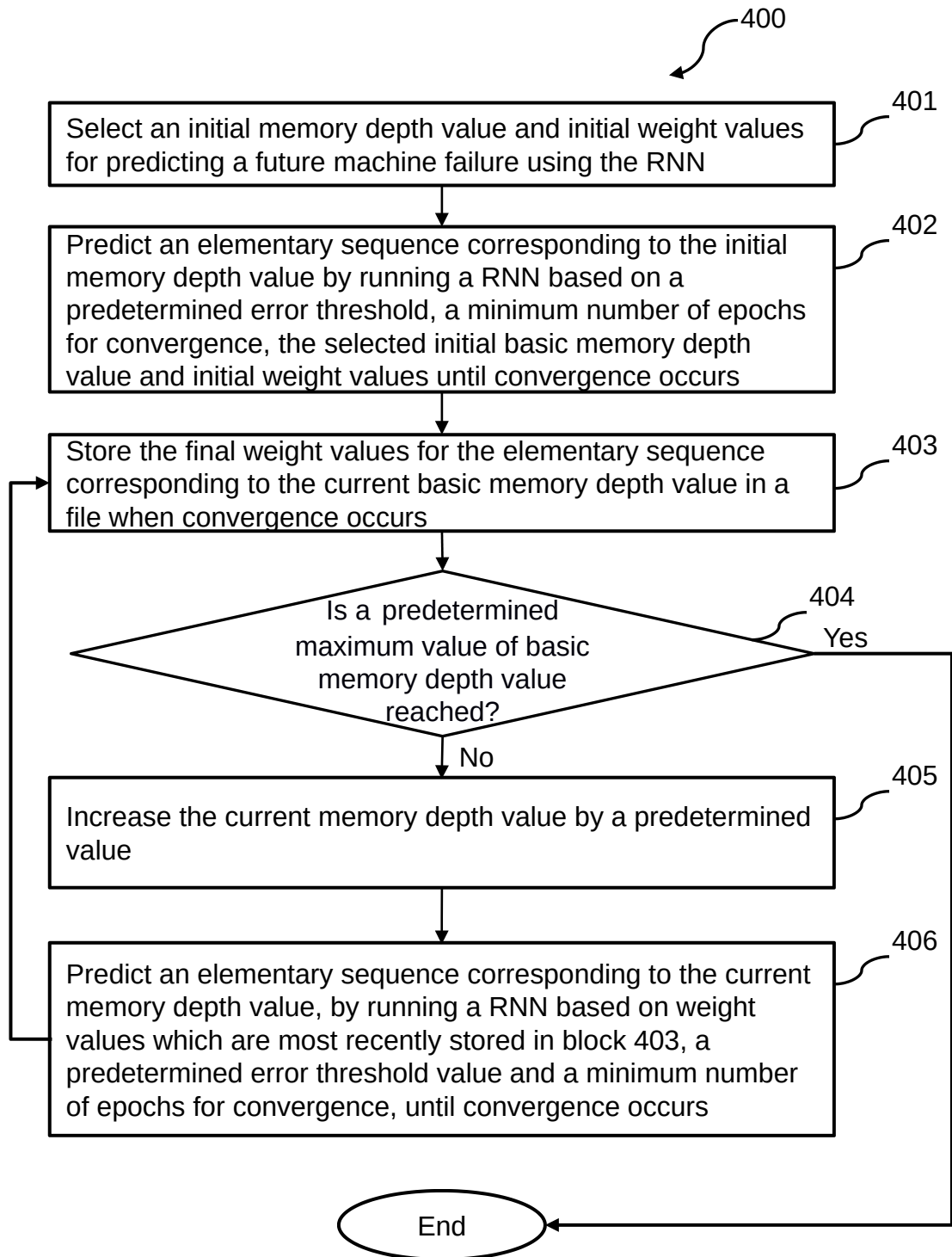


Figure 3B

**Figure 4**

Basic Memory depth value	Number of iterations	Time gap to failure	Error limit	Memory depth	Number of iterations	Time gap to failure	Error limit
10	91		0.02000	15	1834		0.02000
20	1800		0.01000	25	454		0.02000
30	510		0.02000	35	373		0.02000
40	652		0.02000	50	1464		0.01500
55	10627		0.00800	60	6688		0.00800
65	3559		0.00800	70	8867		0.00800
75	6265		0.00800	80	4218		0.00800
85	742		0.00800	90	994		0.00800
95	10136	92	0.00800	100	18100		0.00800
105	8666		0.00800	110	357		0.00800
115	2934		0.00800	120	9927	121	0.00800
125	2337	124	0.00800	130	7980	134	0.00800
135	1939		0.00800	140	8105		0.00700
145	16282		0.00680	150	4439		0.00680
155	3423		0.00680	160	5817		0.00650
165	6946		0.00620	166	3911	165	0.00600
167	3906		0.00600	168	1943		0.00600
169	231		0.00600	170	980		0.00600
171	2651		0.00600	172	9611	171	0.00600
173	4971	172	0.00600	174	3405	173	0.00600
175	3525	174	0.00600	176	745		0.00600
177	6047	176	0.00550	178	3764		0.00550
179	4815		0.00550	180	16255	182	0.00550
181	6644	182	0.00550	182	4366	183	0.00550
183	2817	184	0.00550	184	2069		0.00550
185	1608		0.00550	186	1748		0.00550
187	1442	186	0.00550	188	1180	187	0.00550
189	23422	188	0.00550	190	7127		0.00500
191	9455	190	0.00500	192	8815	191	0.00500
193	7229		0.00480	194	3628		0.00480
195	1294		0.00480	196	1388		0.00480
197	7722		0.00480	198	1078		0.00480
199	16791	198	0.00480	200	16052		0.00480
201	3509		0.00480	202	1066		0.00480
203	1148	202	0.00480	204	1144		0.00480

Figure 5A

Basic Memory depth value	Number of iterations	Time gap to failure	Error limit	Memory depth	Number of iterations	Time gap to failure	Error limit
205	952		0.00480	206	1044		0.00480
207	971		0.00480	208	1000		0.00480
209	905		0.00480	210	948		0.00480
215	1083		0.00480	216	809		0.00480
217	860		0.00480	218	986		0.00480
219	7322		0.00440	220	17102		0.00440
221	4827	220	0.00446	222	4475	221	0.00446
223	3205		0.00446	224	5606		0.00440
225	4611	224	0.00440	226	3945	225	0.00440
227	2153		0.00440	228	2272	227	0.00440
229	5954		0.00430	230	5335		0.00430
231	5085		0.00430	232	3595		0.00430
233	2813		0.00430	234	3794		0.00430
235	3768		0.00430	236	4665		0.00430
237	2264		0.00430	238	1692		0.00430
239	3276		0.00420	240	2508		0.00420
241	3177		0.00420	242	8006		0.00410
243	7335		0.00410	244	4838		0.00400
245	7591		0.00400	246	6459		0.00400
247	3937		0.00400	248	7386		0.00400
249	6539		0.00400	250	6478		0.00370
251	8546	250	0.00370	252	2525	251	0.00370
253	1954		0.00370	254	4289		0.00370
255	19725	254	0.00370	256	2606		0.00370
257	2387	256	0.00370	258	1266		0.00370
259	5095		0.00360	260	1676		0.00360
261	15639		0.00340	262	2789		0.00340
263	38769	262	0.00340	264	2399	263	0.00340
265	8224		0.00340	266	8448		0.00340
267	17776		0.00340	268	21181		0.00340
269	13347		0.00340	270	9165		0.00340
271	33439		0.00340	272	38846	274	0.00330
273	9066		0.00330	274	8320		0.00330
275	8744		0.00320	276	50666		0.00310
277	26842		0.00310	278	19987		0.00310
279	8414		0.00310	280	5249		0.00310
281	3948		0.00290	282	7974		0.00280

Figure 5A(continued)

Basic Memory depth value	Number of iterations	Time gap to failure	Error limit	Memory depth	Number of iterations	Time gap to failure	Error limit
283	9116		0.00270	284	9600		0.00270
285	5315		0.00260	286	3079		0.00260
287	22914		0.00240	288	35529		0.00250
289	26922		0.00230	290	39783		0.00230
297	4866		0.00200	298	13849	299	0.00190
299	48966		0.00190	300	26392		0.00190
301	35244		0.00180	302	16941		0.00180
303	6173		0.00200	304	6049		0.00210
305	9377		0.00210	306	5249		0.00200
307	14659		0.00176	308	40066		0.00180
309	52239		0.00180	310	13532		0.00180
311	4896		0.00180	312	2552		0.00180
313	4290		0.00168	314	61662		0.00168
315	14504		0.00180	316	23579	315	0.00180
317	989		0.00150	318	2658		0.00161
319	15565		0.00180	320	16672		0.00180
321	5862		0.00160	322	3444		0.00140
323	17377		0.00140	324	5011		0.00140
325	968		0.00140	326	1468		0.00140
327	6432		0.00180	328	25759		0.00160
329	5994		0.00160	330	21999		0.00141
331	59245		0.00215	332	638		0.00140
333	761		0.00100	334	150		0.00600
335	9790		0.00180	336	531		0.00650
337	201		0.00500	338	193		0.00350
339	135		0.00400	340	15701		0.00200
341	22449		0.00160	342	54150		0.00140
343	61978		0.00120	344	89977		0.00100
345	262		0.00600	346	33		0.00550
347	23		0.00550	348	83		0.00550
349	52		0.00400	350	19		0.00350
351	29		0.00480	352	1189		0.00300
353	11023		0.00324	354	4860	353	0.00324
355	1674	356	0.00340	356	8372	357	0.00260
357	5629		0.00320	358	106		0.00430
359	136		0.00300	360	43		0.00340
361	2006		0.00340	362	1033		0.00234

Figure 5A(continued)

Basic Memory depth value	Number of iterations	Time gap to failure	Error limit	Memory depth	Number of iterations	Time gap to failure	Error limit
363	73		0.00260	364	1606		0.00360
365	1344		0.00360	366	2321		0.00360
367	546		0.00360	368	949	369	0.00360
369	1276		0.00360	370	973	369	0.00360
371	4511	372	0.00260	372	15244		0.00260
373	2458	374	0.00260	374	3665		0.00260
385	1285	384	0.00274	386	5983		0.00274
387	13019	386	0.00320	388	6107	389	0.00320
389	2495	390	0.00320	390	1850		0.00300
391	2721		0.00300	392	1954		0.00300
393	1828	392	0.00300	394	3116		0.00300
395	798		0.00300	396	1347		0.00300
397	717		0.00300	398	1169	399	0.00300
399	4998		0.00300	400	1659		0.00280
401	985		0.00280	402	1081	401	0.00280
403	2196		0.00220	404	2431		0.00215
405	2726		0.00215	406	4188		0.00215
407	2435	408	0.00215	408	2465	409	0.00215
409	3250	408	0.00215	410	1722		0.00215
411	4359		0.00190	412	3502		0.00190
413	2626		0.00190	414	2463		0.00190
415	901		0.00550	416	549	418	0.00550
417	1649	418	0.00300	418	1456	417	0.00260
419	857	420	0.00260	420	2654	422	0.00213
421	6114	422	0.00213	422	18510		0.00213
423	3885	422	0.00213	424	15889	423	0.00213
425	4650		0.00200	426	1906	427	0.00220
427	438		0.00260	428	3460	427	0.00260
429	1166	428	0.00260	430	1525	429	0.00260
431	3848		0.00220	432	1778	433	0.00260
433	1536		0.00260	434	1510	435	0.00232
435	14176		0.00232	436	3910	435	0.00232
437	5768	436	0.00232	438	2046	439	0.00232
439	1816		0.00232	440	23942	439	0.00290
441	4975	440	0.00290	442	5336		0.00313
443	1647		0.00355	444	2864	446	0.00391

Figure 5A(continued)

Basic Memory depth value	Number of iterations	Time gap to failure	Error limit	Memory depth	Number of iterations	Time gap to failure	Error limit
445	6586	447	0.00370	446	2468	447	0.00411
447	3772	449	0.00441	448	5727	447	0.00441
449	2616	448	0.00441	450	1435		0.00360
451	8778		0.00360	452	2651	453	0.00360
453	1296		0.00360	454	931	455	0.00360
455	222		0.00550	456	1203	455	0.00370
457	721		0.00370	458	862		0.00370
459	6860		0.00370	460	1484	459	0.00311
475	3006	474	0.00280	476	3481	475	0.00280
477	2598		0.00280	478	1689	477	0.00280
479	2744	478	0.00280	480	6560	479	0.00230
481	6613	480	0.00230	482	6678	481	0.00230
483	9742	485	0.00230	484	7068	483	0.00230
485	6608	486	0.00230	486	13471	485	0.00230
487	3256	488	0.00270	488	1757	487	0.00270
489	3883	490	0.00270	490	1129		0.00270
491	3164	490	0.00240	492	6425		0.00240
493	3143		0.00240	494	7854	493	0.00210
495	11848	497	0.00210	496	8184		0.00210
497	11794		0.00210	498	11133	497	0.00210
499	16459	500	0.00210	500	7144	499	0.00210
505	15934		0.00210	510	9935	510	0.00210
515	10108	516	0.00210	520	6931	521	0.00210
525	5550	526	0.00190	530	12471		0.00190
535	5410		0.00190	540	5955	539	0.00190
545	7827	544	0.00190	550	4468	551	0.00190
555	2102	554	0.00175	560	4266	590	0.00180
565	8532		0.00155	570	6236		0.00190
575	3082		0.00190	580	2600		0.00170
585	2142		0.00190	590	5553	592	0.00190
595	2136		0.00190	600	692	599	0.00220

Figure 5A(continued)

Basic Memory depth value	Number of iterations	Time gap to failure	Error limit	Memory depth	Number of iterations	Time gap to failure	Error limit
605	1153		0.00230	610	1096	611	0.00230
615	1135	614	0.00230	620	1017	619	0.00220
625	4139	626	0.00190	630	2446		0.00190
635	2248		0.00190	640	3115	641	0.00230
645	2356	646	0.00230	650	1644	649	0.00230
655	1957	654	0.00210	660	5111	659	0.00210
665	3218	667	0.00210	670	2418	669	0.00210
675	2812		0.00163	680	3674	679	0.00163
685	2052		0.00190	690	1728		0.00190
695	1180		0.00212	700	2961	701	0.00212
705	2274		0.00190	710	1112	711	0.00212
715	1663	717	0.00190	720	1559		0.00212
835	1454		0.00160	840	1195		0.00180
845	1617	846	0.00162	850	1335		0.00230
855	792		0.00230	860	1613	861	0.00190
865	1475		0.00163	870	3250		0.00140
875	792		0.00185	880	752		0.00190
885	918		0.00210	890	6136		0.00170
895	6915	897	0.00139	900	6252	899	0.00140
905	1438	904	0.00186	910	123		0.00190
915	345	914	0.00249	920	2756		0.00181
925	1367	927	0.00227	930	1977		0.00227
935	871	934	0.00227	940	1756	941	0.00180
945	4046		0.00140	950	3235	951	0.00180
955	1671	956	0.00170	960	6012		0.00130
965	6336		0.00130	970	1877	969	0.00160
975	2672	974	0.00150	980	1742	982	0.00180
985	4808		0.00140	990	1687		0.00170
995	1437		0.00170	1000	2259		0.00150

Figure 5A(continued)

-0.5055 -0.2884 0.6916 0.7280 1.1873 0.2486 -1.1545 -0.4961 -0.6152 -0.4385 -0.3917 -0.4069 -0.9769 -0.0611 -0.4038 0.2496 0.1086 0.5428 -0.3946 0.8219 0.3040 -0.0345 0.6236
0.8373 -0.9941 -0.2861 0.2665 0.5442 -1.1946 -0.6057 -0.1997 -0.7672 0.9713 -0.7312 0.5623 -1.6520 -2.2234 1.6309 2.0960 1.5851 1.1236 -0.9429 0.7561 -1.3536 1.9757 0.0057
-1.2053 -0.1098 1.3155 0.0037 -0.8096 0.9664 -0.0324 0.0507 -1.3305 0.9955 0.8725 1.1885 0.8658 0.6012 0.1085 -0.0397 0.2898 0.2579 0.8414 -0.1603 -0.7694 0.6232 0.3071
-0.3449 0.7498 -0.7003 0.1111 0.9667 -0.1570 1.3412 -0.0583 -0.9258 -0.8916 0.6592 0.7019 0.0727 -0.7246 0.2955 -0.3804 -1.1612 -0.6149 -1.3143 1.2619 0.7842 1.0681 -0.0443
0.0531 -0.8385 -0.6694 -0.5560 -1.2008 0.0951 -1.2784 -0.2899 -0.6596 0.4056 -1.0017 -1.0050 -0.0912 0.9581 -0.5321 -0.4146 0.5379 -0.2795 -0.4058 0.0251 -1.3668 1.1627 0.3705
0.3637 1.5002 0.7721 -0.0503 -1.2095 0.3893 -0.3592 -1.2133 -1.5020 -0.4028 1.4935 0.2464 -0.5514 -0.2607 0.0067 -0.2468 0.4630 1.2626 0.0673 1.5239 0.2716 0.2618 -0.7864
0.2490 -0.2302 0.1430 -1.5083 0.1642 -0.0454 0.1253 -1.0236 0.5696 -0.2835 0.6748 0.9949 0.3204 -0.2925 0.6554 0.5093 0.8408 -0.9879 0.4711 1.3273 0.6520 1.1798 -0.3667
-1.4103 -0.0774 0.3981 0.8370 0.9307 1.1701 -0.7260 -0.0539 1.3224 0.8487 0.9675 -1.3433 0.4735 0.6393 -1.1150 -1.7505 0.4407 -1.7456 -0.8594 -1.1938 0.7763 -1.2269 1.3046
-0.9178 -0.1044 -1.1193 0.9014 0.0409 -1.0966 -1.6414 1.2994 -0.3555 1.4858 -0.6731 -0.7906 0.2331 -0.5220 0.5658 -1.2137 0.2277 -0.8646 0.4713 -1.0722 -0.8625 -0.9730 0.9361
0.3990 -0.4745 0.2398 -0.6045 -1.1542 -1.1511 0.9076 0.0984 0.9068 -1.4602 -0.1007 0.7466 0.0694 -0.8719 -1.1465 -0.4631 -0.3734 1.2197 0.4763 -0.9461 0.6445 1.4298 1.0000
1.2931 -0.0727 1.1147 0.1372 0.4600 -1.2545 -1.4541 1.2865 -1.0312 -0.3631 0.0752 -1.5159 0.0677 0.8599 -0.6761 -0.9092 0.6795 -0.6817 1.0600 -1.2948 1.1037 0.8860 -1.1544
-0.6453 -1.4912 -0.5206 1.0698 1.2126 -0.2027 0.3203 0.5358 1.7961 1.5864 -1.6901 -0.6223 -1.1466 -0.8153 0.8042 0.8220 -0.7854 -0.0696 -0.9036 0.5122 -1.4079 1.3637 0.1354
0.9063 0.3568 -0.4880 1.3794 0.7518 -0.0392 -0.4463 0.0279 0.2080 0.3773 -1.7094 -0.2213 0.4671 -1.1733 -0.6951 -1.3827 -1.0339 0.5109 0.1850 1.7508 -0.4827 -0.8233 -0.8432
-0.0263 -1.0191 0.1994 0.0322 0.0253 0.3419 0.3068 -0.1416 0.3362 1.1678 0.5445 -0.3327 0.5231 1.0209 -1.3194 -1.3588 0.5695 -0.2981 -0.1926 1.5030 0.9694 -0.0793 -1.2944
0.3021 0.5800 -0.6227 0.1371 -0.7171 1.5450 0.4627 0.0907 -1.7967 0.3514 -0.3136 -0.5280 -1.6980 0.3091 -0.6379 1.5407 1.2110 -0.2640 0.0804 0.6286 0.8658 -1.7674 0.2528
-1.3669 -1.0476 -1.3057 -0.9726 -0.4465 2.2048 -0.4876 -1.7507 -1.5733 -1.8804 0.9431 -0.3821 -0.3354 1.6865 -0.8781 0.3150 -0.7446 0.4258 0.0592 -0.9892 1.8669 -2.6090 1.0822
0.2581 -1.3018 1.4831 0.0227 -0.4659 -0.0664 -0.3541 -0.7761 1.3384 1.9125 -0.3776 0.1608 0.6040 -1.3273 0.2964 -1.2370 0.1149 0.6822 -0.3384 -0.2504 0.8835 -0.2062 -0.8252
1.2266 1.0634 -0.0995 -0.6658 1.4882 -0.2146 1.0046 0.8004 -0.3294 1.5642 -0.9611 -1.2051 0.7454 -1.2270 0.0431 -0.3392 -0.9003 0.8926 -0.6001 -0.2141 -1.1604 0.2384 0.4431
-0.8593 0.1518 -0.9861 0.8398 -0.4319 -1.3827 -0.6319 1.3753 -0.7432 0.9004 -0.5217 -0.4598 0.8245 0.3605 -0.6184 -1.3270 -1.0191 0.1436 0.6141 0.8382 1.2254 1.2656 -0.0357
0.0769 1.2324 -0.9147 0.6773 1.1260 -1.3512 -1.2085 -0.0047 -0.8805 0.0327 -0.8017 -0.8514 -0.1980 1.3758 0.1727 -1.1538 0.5773 -0.0983 -0.4739 -1.2004 0.4352 1.8425 0.6167
0.5291 -0.0998 -0.7853 -0.9395 -1.0961 -1.0047 -0.0248 -0.3051 0.9028 -0.8912 -0.8957 0.1819 -1.1137 -0.4017 -1.0208 1.1998 -0.2998 -0.4300 -1.0841 -1.1798 0.4738 1.0371 1.3132

Figure 5B

-0.5055	-0.2884	0.6916	0.7280	1.1873	0.2486	-1.1545	-0.4961	-0.6152	-0.4385	-0.3917	-0.4069	-0.9769	-0.0611	-0.4038	0.2496	0.1086	0.5428	-0.3946	0.8219	0.3040	-0.0345	0.6236
0.8298	-1.1185	-0.3708	0.3377	0.6200	-1.4072	-0.7118	-0.2197	-0.6633	1.0992	-0.9430	0.4583	-1.6472	-2.4111	1.5758	1.9120	1.5795	1.1094	-1.1269	0.9202	-1.3867	2.2030	-0.2575
-1.2076	-0.1129	1.3011	-0.0106	-0.8240	0.9592	-0.0433	0.0421	-1.3438	0.9761	0.8715	1.1780	0.8573	0.5926	0.0943	-0.0527	0.2870	0.2518	0.8198	-0.1760	-0.7715	0.6264	0.2969
-0.3283	0.7677	-0.6706	0.2007	0.9920	-0.2211	1.3924	-0.0448	-0.8759	-0.8209	0.6447	0.7410	0.0889	-0.7483	0.3627	-0.3364	-1.1563	-0.5503	-1.2446	1.3950	0.7755	1.1077	-0.0920
0.0637	-0.8384	-0.6793	-0.5549	-1.2082	0.1336	-1.2405	-0.2948	-0.6695	0.4003	-1.0082	-0.9799	-0.0968	0.9528	-0.5138	-0.3932	0.5396	-0.2652	-0.3785	0.0226	-1.3659	1.1820	0.3791
0.3883	1.5261	0.8383	0.0474	-1.1980	0.2609	-0.3457	-1.2087	-1.4456	-0.2958	1.4780	0.3124	-0.5345	-0.2841	0.0512	-0.2142	0.4726	1.3564	0.1194	1.6878	0.2531	0.3996	-0.8659
0.2431	-0.2835	0.1130	-1.4758	0.2027	-0.2205	0.0354	-1.0455	0.6355	-0.1886	0.5738	0.9302	0.3199	-0.4119	0.5997	0.3989	0.8418	-0.9987	0.3315	1.4256	0.6387	1.2154	-0.4167
-1.4396	-0.0031	0.4055	0.7826	0.8517	1.1427	-0.8412	-0.0329	1.2266	0.7131	1.0562	-1.4246	0.5134	0.7569	-1.2421	-1.8363	0.4293	-1.8019	-0.9268	-1.3569	0.7629	-1.2269	1.1899
-0.9442	-0.1585	-1.1931	0.8247	0.0034	-1.1297	-1.7373	1.2567	-0.3896	1.4417	-0.7254	-0.8814	0.2093	-0.5718	0.4611	-1.3425	0.2120	-0.9302	0.3142	-1.1600	-0.8624	-0.9769	0.9328
0.4474	-0.5352	0.1889	-0.6380	-1.1965	-0.9325	1.1764	0.0166	0.8867	-1.4362	-0.1241	0.9314	-0.0618	-0.9146	-0.9380	-0.2394	-0.3659	1.3218	0.6744	-0.8665	0.6654	1.3729	1.0511
1.2483	0.1115	1.2558	0.2511	0.4467	-1.4821	-1.6517	1.4199	-1.0508	-0.4225	0.2231	-1.6438	0.2562	1.0426	-0.8654	-1.0306	0.6724	-0.7071	1.0201	-1.3621	1.0876	1.0448	-1.1373
-0.6513	-1.4558	-0.4658	1.1073	1.2916	-0.3428	0.1860	0.5773	1.8875	1.6605	-1.7093	-0.6734	-1.0765	-0.8211	0.7561	0.7457	-0.7800	-0.1056	-0.9724	0.5289	-1.4034	1.7276	0.2934
0.8983	0.3665	-0.4388	1.4082	0.8030	-0.1386	-0.5460	0.0570	0.2901	0.4475	-1.7513	-0.2724	0.5111	-1.1752	-0.7157	-1.4552	-1.0232	0.4957	0.1237	1.8128	-0.4856	-0.7769	-0.7051
-0.0422	-0.8849	0.3411	0.1541	0.1221	0.1580	0.1266	-0.0179	0.4040	1.2386	0.6281	-0.4193	0.7000	1.1341	-1.4279	-1.4779	0.5795	-0.3349	-0.2259	1.5032	0.9722	0.0467	-1.0570
0.2980	0.4424	-0.7532	-0.0095	-0.7799	1.6097	0.5127	-0.0623	-1.8393	0.3478	-0.3603	-0.5111	-1.8770	0.1787	-0.6124	1.5504	1.2050	-0.3018	-0.0146	0.6108	0.8486	-2.1591	-0.0718
-1.3440	-1.1389	-1.3867	-1.1360	-0.4963	2.4881	-0.2830	-1.8810	-1.6276	-1.9214	0.9960	-0.2475	-0.5445	1.6239	-0.7074	0.5230	-0.7408	0.4258	0.1512	-1.0369	1.8568	-3.1551	0.7674
0.2501	-1.2124	1.5819	0.1091	-0.3741	-0.2060	-0.5001	-0.6822	1.4137	1.9911	-0.3354	0.0825	0.7323	-1.2608	0.2323	-1.3494	0.1277	0.6464	-0.3781	-0.2395	0.8775	-0.0985	-0.7129
1.1995	1.0720	-0.0911	-0.6463	1.5237	-0.3749	0.8426	0.8340	-0.3039	1.5623	-0.9954	-1.3109	0.8101	-1.2552	-0.0705	-0.4739	-0.9108	0.8361	-0.7335	-0.2235	-1.1671	0.3938	0.4716
-0.8165	0.3456	-0.8021	1.0728	-0.3610	-1.4979	-0.6447	1.5384	-0.6700	0.9877	-0.4571	-0.4104	1.0411	0.5128	-0.5766	-1.3089	-0.9970	0.2590	0.7999	0.9692	1.2350	1.7480	0.3377
0.1057	1.3457	-0.8559	0.7670	1.1037	-1.3045	-1.1331	0.0696	-0.9264	-0.0203	-0.7291	-0.7824	-0.1047	1.4720	0.1987	-1.0894	0.5779	-0.0265	-0.3160	-1.2184	0.4481	2.1390	0.8197
0.5331	-0.1020	-0.7834	-0.9469	-1.0969	-0.9372	0.0408	-0.3147	0.9041	-0.8862	-0.8721	0.2142	-1.1391	-0.3907	-0.9678	1.2578	-0.2977	-0.4180	-1.0279	-1.1772	0.4855	0.8850	1.3776

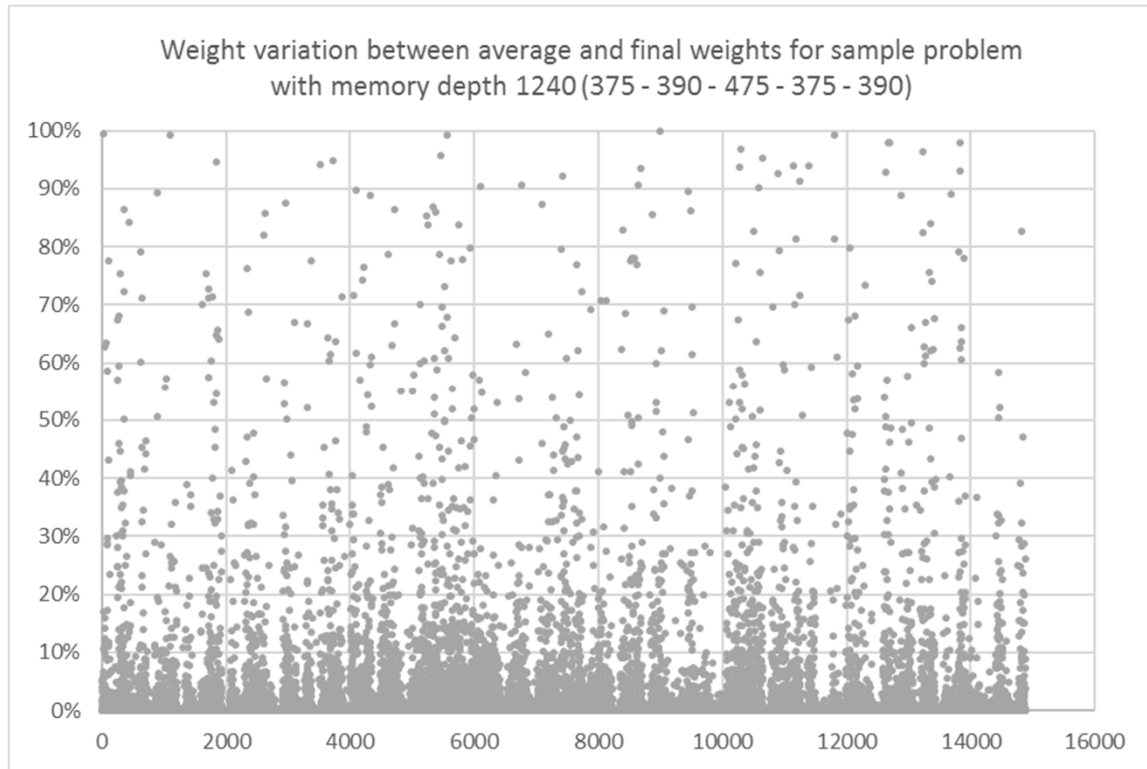
Figure 5C

Sl. No.	Composite Memory depth value	Composite sequence	Number of iterations	Time gap to failure	Error threshold
1	110	20-30-60-20-30	824		0.0140
2	120	20-30-70-20-30	1293		0.0100
3	150	30-40-80-30-40	2630		0.0090
5	165	50-55-60-50-55	46043		0.0080
4	180	30-40-110-30-40	14434	113	0.0100
6	210	20-30-50-110-20-30-50	4867		0.0087
8	230	20-30-60-120-20-30-60	28318		0.0065
7	240	10-30-60-140-10-30-60	9256	142	0.0078
9	250	10-30-70-140-10-30-70	8537		0.0077
10	260	20-30-50-160-20-30-50	19059		0.0057
12	270	10-30-60-170-10-30-60	28398	169	0.0079
11	280	10-30-50-190-10-30-50	56662		0.0053
14	280	20-50-60-150-20-50-60	36203		0.0067
13	290	10-30-60-190-10-30-60	23508		0.0072
15	310	20-30-60-200-20-30-60	84056		0.0048
16	320	20-30-70-200-20-30-70	13701		0.0084
18	330	30-40-80-180-30-40-80	70720		0.0061
17	350	20-30-60-240-20-30-60	37812	239	0.0073
20	350	30-40-80-200-30-40-80	35001	182	0.0080

Figure 6A

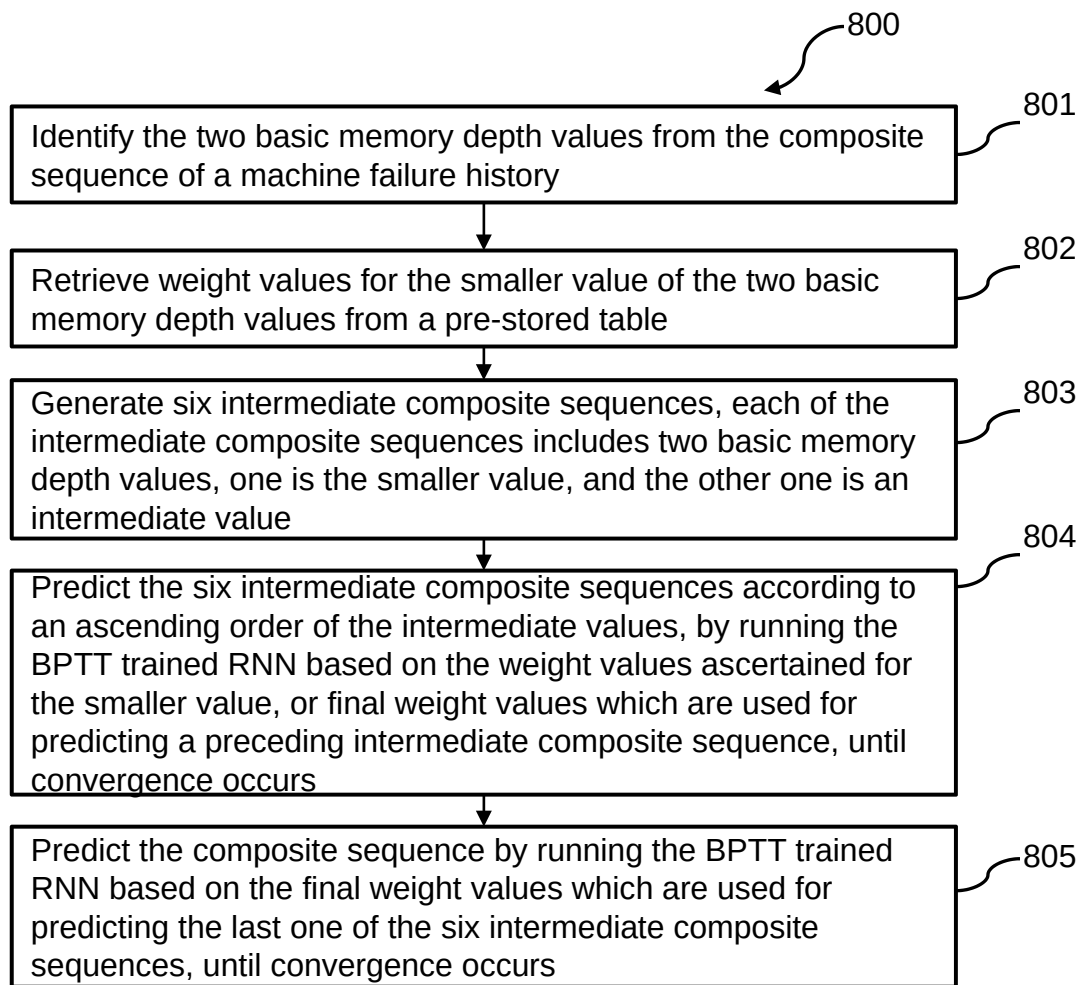
Sl. No.	Composite Memory depth value	Composite sequence	Number of iterations	Time gap to failure	Error threshold
19	390	20-30-60-280-20-30-60	51349		0.0056
21	475	30-40-80-325-30-40-80	29334	327	0.0100
22	505	30-40-110-325-30-40-110	5907	329	0.0080
23	620	50-90-130-350-50-90-130	5006	354	0.0100
24	670	70-110-130-360-70-110-130	8520	367	0.0100
25	715	160-230-325-160-230	2914	329	0.0080
26	750	160-230-360-160-230	7011	369	0.0080
27	810	170-260-380-170-260	3002	372	0.0080
28	810	190-260-360-190-260	5004	382	0.0080
30	970	150-200-250-370-150-200-250	10212	392	0.0100
31	1170	200-250-300-420-200-250-300	20000	423	0.0085
33	1240	375-390-475-375-390	15000	475	0.0080
34	1248	377-393-478-377-393	15000	477	0.0080
35	1570	300-350-400-520-300-350-400	35000	520	0.0080
36	1770	350-400-450-570-350-400-450	35000		0.008
37	2170	450-500-550-670-450-500-550	35000	671	0.008
38	2970	650-700-750-870-650-700-750	40000	878	0.008
39	3150	1000-1050-1100-1000-1050	40000	1106	0.008

Figure 6A (continued)

**Figure 6B**

Sl. No.	Composite Memory depth value	Composite sequence	Number of iterations	Time gap to failure	Error threshold
1	820	200-260-360-190-260	35010	368	0.0080
2	1180	210-250-300-420-200-250-300	25000	436	0.0080

Figure 7

**Figure 8A**

1 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 1

Figure 8B

(1) 1 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 1
 (2) 1 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 1
 (3) 1 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 1
 (4) 1 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 1
 (5) 1 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 1
 (6) 1 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 1

Figure 8C