Appendix

In order to express the diversity of load demand, the system is connected with three different typical loads, namely residential load, industrial load and commercial load. Expectation of demand load are listed in Table A1. Expectation of RES are listed in Table A2. The forecasting errors of demand load, RES output are assumed to follow the normal distribution $N(0,0.03^2)$ and $N(0,0.1^2)$, respectively.

Table A1 Expectation of demand load

Time interval			IUDI	TXI LAPC	ectation of	uciliuliu	Ivau		
P(industrial) 0.041523 0.023708 0.030862 0.005203 0.036022 0.028284 0.025702 0.033657 P(commercial) 0.0096 0.019587 0.02978 0.038142 0.038159 0.039467 0.049705 0.049264 Time interval 9 10 11 12 13 14 15 16 P(residential) 0.186704 0.157857 0.155334 0.162476 0.181865 0.172656 0.179402 0.202556 P(industrial) 0.016934 0.010299 0.03017 0.018555 0.002928 0.027313 0.023611 0.027926 P(commercial) 0.049242 0.047686 0.049533 0.049329 0.067128 0.088392 0.106426 0.11466 Time interval 17 18 19 20 21 22 23 24 P(residential) 0.046245 0.009225 0.027818 0.032892 0.041931 0.043838 0.010161 0.013413 P(commercial) 0.046245 0.009225 0.027818 0.032892 0.041931 0.043838 0.010161 0.013413 P(commercial) 0.127634 0.137204 0.145916 0.147355 0.157839 0.168456 0.174323 0.184458 Time interval 25 26 27 28 29 30 31 32 P(residential) 0.179253 0.192893 0.189442 0.194688 0.161847 0.161887 0.199237 0.166347 P(industrial) 0.380455 0.369026 0.369845 0.397353 0.911364 0.918467 0.939976 0.916196 P(commercial) 0.189566 0.187394 0.182109 0.18624 0.197097 0.192685 0.16949 0.195766 Time interval 33 34 35 36 37 38 39 40 P(residential) 0.201609 0.22233 0.192406 0.201131 0.220578 0.187118 0.208885 0.18237 P(industrial) 0.961526 0.977116 0.960201 1 0.881614 0.887629 0.914003 0.886707 P(commercial) 0.241416 0.29755 0.345161 0.394233 0.490337 0.582412 0.671146 0.798899 Time interval 41 42 43 44 45 46 47 48 P(residential) 0.22588 0.18239 0.183866 0.18868 0.197724 0.201914 0.20377 0.188098 P(industrial) 0.825637 0.89081 0.809314 0.98368 0.930215 0.92302 0.93211 P(commercial) 0.927645 0.906604 0.12822 0.933953 0.942619 0.932536 0.929032 0.93211 P(commercial) 0.925399 0.9	Time interval	1	2	3	4	5	6	7	8
P(commercial) 0.0096 0.019587 0.02978 0.038142 0.038159 0.039467 0.049705 0.049264 Time interval 9	P(residential)	0.170236	0.168423	0.207593	0.184721	0.151753	0.153095	0.178605	0.187298
Time interval 9	P(industrial)	0.041523	0.023708	0.030862	0.005203	0.036022	0.028284	0.025702	0.033657
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	P(commercial)	0.0096	0.019587	0.02978	0.038142	0.038159	0.039467	0.049705	0.049264
P(industrial) 0.016934 0.010299 0.03017 0.018555 0.002928 0.027313 0.023611 0.027926 P(commercial) 0.049242 0.047686 0.049533 0.049329 0.067128 0.088392 0.106426 0.11466 Time interval 17 18 19 20 21 22 23 24 P(residential) 0.268647 0.244151 0.243471 0.237235 0.296181 0.292386 0.2922787 0.319905 P(industrial) 0.046245 0.009225 0.027818 0.032892 0.041931 0.043838 0.010161 0.013413 P(commercial) 0.127634 0.137204 0.145916 0.147355 0.157839 0.168456 0.174323 0.184458 Time interval 25 26 27 28 29 30 31 32 P(cindustrial) 0.380455 0.369026 0.369845 0.397353 0.911364 0.918467 0.918624 0.191907 0.12685 0.196949 0.195766 <td>Time interval</td> <td>9</td> <td>10</td> <td>11</td> <td>12</td> <td>13</td> <td>14</td> <td>15</td> <td>16</td>	Time interval	9	10	11	12	13	14	15	16
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	P(residential)	0.186704	0.157857	0.155334	0.162476	0.181865	0.172656	0.179402	0.202556
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	P(industrial)	0.016934	0.010299	0.03017	0.018555	0.002928	0.027313	0.023611	0.027926
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	P(commercial)	0.049242	0.047686	0.049533	0.049329	0.067128	0.088392	0.106426	0.11466
P(industrial) 0.046245 0.009225 0.027818 0.032892 0.041931 0.043838 0.010161 0.013413 P(commercial) 0.127634 0.137204 0.145916 0.147355 0.157839 0.168456 0.174323 0.184458 Time interval 25 26 27 28 29 30 31 32 P(residential) 0.179253 0.192893 0.189442 0.194688 0.161847 0.161887 0.199237 0.166347 P(industrial) 0.380455 0.369026 0.369845 0.397353 0.911364 0.19467 0.939976 0.916196 P(commercial) 0.189566 0.187394 0.182109 0.18624 0.197907 0.192685 0.196949 0.195766 Time interval 33 34 35 36 37 38 39 40 P(residential) 0.201609 0.22233 0.192406 0.201131 0.220578 0.18718 0.208585 0.18237 P(industrial) 0.961526 0	Time interval	17	18	19	20	21	22	23	24
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	P(residential)	0.268647	0.244151	0.243471	0.237235	0.296181	0.292386	0.292787	0.319905
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	P(industrial)	0.046245	0.009225	0.027818	0.032892	0.041931	0.043838	0.010161	0.013413
$ \begin{array}{ c c c c c } \hline P(\text{residential}) & 0.179253 & 0.192893 & 0.189442 & 0.194688 & 0.161847 & 0.161887 & 0.199237 & 0.166347 \\ \hline P(\text{industrial}) & 0.380455 & 0.369026 & 0.369845 & 0.397353 & 0.911364 & 0.918467 & 0.939976 & 0.916196 \\ \hline P(\text{commercial}) & 0.189566 & 0.187394 & 0.182109 & 0.18624 & 0.197907 & 0.192685 & 0.196949 & 0.195766 \\ \hline Time interval & 33 & 34 & 35 & 36 & 37 & 38 & 39 & 40 \\ \hline P(\text{residential}) & 0.201609 & 0.22233 & 0.192406 & 0.201131 & 0.220578 & 0.187718 & 0.208585 & 0.18237 \\ \hline P(\text{industrial}) & 0.961526 & 0.977116 & 0.960201 & 1 & 0.881614 & 0.887629 & 0.914003 & 0.886707 \\ \hline P(\text{commercial}) & 0.241416 & 0.29755 & 0.345161 & 0.394233 & 0.490337 & 0.582412 & 0.671146 & 0.798899 \\ \hline Time interval & 41 & 42 & 43 & 44 & 45 & 46 & 47 & 48 \\ \hline P(\text{residential}) & 0.22588 & 0.18239 & 0.183886 & 0.18868 & 0.197724 & 0.201914 & 0.20377 & 0.188098 \\ \hline P(\text{industrial}) & 0.872006 & 0.885927 & 0.893611 & 0.903742 & 0.584127 & 0.603889 & 0.592105 & 0.585107 \\ \hline P(\text{commercial}) & 0.825637 & 0.840081 & 0.830031 & 0.908368 & 0.936211 & 0.910031 & 0.908082 & 0.928596 \\ \hline Time interval & 49 & 50 & 51 & 52 & 53 & 54 & 55 & 56 \\ \hline P(\text{residential}) & 0.215963 & 0.212673 & 0.205945 & 0.212891 & 0.184189 & 0.184847 & 0.211484 & 0.195193 \\ \hline P(\text{industrial}) & 0.853063 & 0.84174 & 0.859954 & 0.845331 & 0.932449 & 0.934837 & 0.919402 & 0.905213 \\ \hline P(\text{commercial}) & 0.927645 & 0.906604 & 0.912822 & 0.933953 & 0.942619 & 0.932536 & 0.929032 & 0.9321 \\ \hline Time interval & 57 & 58 & 59 & 60 & 61 & 62 & 63 & 64 \\ \hline P(\text{residential}) & 0.206909 & 0.18131 & 0.19747 & 0.246837 & 0.296205 & 0.315952 & 0.459117 & 0.602283 \\ \hline P(\text{industrial}) & 0.806161 & 0.804782 & 0.794923 & 0.789149 & 0.769328 & 0.742209 & 0.736045 & 0.767501 \\ \hline P(\text{commercial}) & 0.925399 & 0.938027 & 0.947104 & 0.928812 & 0.913704 & 0.91901 & 0.94277 & 0.925885 \\ \hline \text{Time interval} & 65 & 66 & 67 & 68 & 69 & 70 & 71 & 72 \\ \hline P(\text{residential}) & 0.745448 & 0.888614 & 0.987349 & 0.9676699 & 0.98528 & 0.982416 & 0.89894 & 0.915849 \\ \hline P(in$	P(commercial)	0.127634	0.137204	0.145916	0.147355	0.157839	0.168456	0.174323	0.184458
P(industrial) 0.380455 0.369026 0.369845 0.397353 0.911364 0.918467 0.939976 0.916196 P(commercial) 0.189566 0.187394 0.182109 0.18624 0.197907 0.192685 0.196949 0.195766 Time interval 33 34 35 36 37 38 39 40 P(residential) 0.201609 0.22233 0.192406 0.201131 0.220578 0.187718 0.208585 0.18237 P(industrial) 0.961526 0.977116 0.960201 1 0.881614 0.887629 0.914003 0.886707 P(commercial) 0.241416 0.29755 0.345161 0.394233 0.490337 0.582412 0.671146 0.798899 Time interval 41 42 43 44 45 46 47 48 P(residential) 0.22588 0.18239 0.183886 0.18868 0.197724 0.201914 0.20377 0.188098 P(industrial) 0.825637 0.840081 <td>Time interval</td> <td>25</td> <td>26</td> <td>27</td> <td>28</td> <td>29</td> <td>30</td> <td>31</td> <td>32</td>	Time interval	25	26	27	28	29	30	31	32
P(commercial) 0.189566 0.187394 0.182109 0.18624 0.197907 0.192685 0.196949 0.195766 Time interval 33 34 35 36 37 38 39 40 P(residential) 0.201609 0.22233 0.192406 0.201131 0.220578 0.187718 0.208585 0.18237 P(industrial) 0.961526 0.977116 0.960201 1 0.881614 0.887629 0.914003 0.886707 P(commercial) 0.241416 0.29755 0.345161 0.394233 0.490337 0.582412 0.671146 0.798899 Time interval 41 42 43 44 45 46 47 48 P(residential) 0.82588 0.18239 0.183886 0.18868 0.197724 0.201914 0.20377 0.188098 P(industrial) 0.825637 0.840081 0.83031 0.903486 0.936211 0.910031 0.908082 0.928596 Time interval 49 50 <t< td=""><td>P(residential)</td><td>0.179253</td><td>0.192893</td><td>0.189442</td><td>0.194688</td><td>0.161847</td><td>0.161887</td><td>0.199237</td><td>0.166347</td></t<>	P(residential)	0.179253	0.192893	0.189442	0.194688	0.161847	0.161887	0.199237	0.166347
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	P(industrial)	0.380455	0.369026	0.369845	0.397353	0.911364	0.918467	0.939976	0.916196
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	P(commercial)	0.189566	0.187394	0.182109	0.18624	0.197907	0.192685	0.196949	0.195766
P(industrial) 0.961526 0.977116 0.960201 1 0.881614 0.887629 0.914003 0.886707 P(commercial) 0.241416 0.29755 0.345161 0.394233 0.490337 0.582412 0.671146 0.798899 Time interval 41 42 43 44 45 46 47 48 P(residential) 0.22588 0.18239 0.18386 0.18868 0.197724 0.201914 0.20377 0.188098 P(industrial) 0.872006 0.885927 0.893611 0.903742 0.584127 0.603889 0.592105 0.585107 P(commercial) 0.825637 0.840081 0.830031 0.908368 0.936211 0.910031 0.908082 0.928596 Time interval 49 50 51 52 53 54 55 56 P(residential) 0.215963 0.212673 0.205945 0.212891 0.184189 0.184847 0.211484 0.195193 P(industrial) 0.853063 0.84174 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	P(residential)	0.201609	0.22233	0.192406	0.201131	0.220578	0.187718	0.208585	0.18237
$ \begin{array}{ c c c c c c c } \hline \text{Time interval} & 41 & 42 & 43 & 44 & 45 & 46 & 47 & 48 \\ \hline \textit{P(residential)} & 0.22588 & 0.18239 & 0.183886 & 0.18868 & 0.197724 & 0.201914 & 0.20377 & 0.188098 \\ \hline \textit{P(industrial)} & 0.872006 & 0.885927 & 0.893611 & 0.903742 & 0.584127 & 0.603889 & 0.592105 & 0.585107 \\ \hline \textit{P(commercial)} & 0.825637 & 0.840081 & 0.830031 & 0.908368 & 0.936211 & 0.910031 & 0.908082 & 0.928596 \\ \hline \textit{Time interval} & 49 & 50 & 51 & 52 & 53 & 54 & 55 & 56 \\ \hline \textit{P(residential)} & 0.215963 & 0.212673 & 0.205945 & 0.212891 & 0.184189 & 0.184847 & 0.211484 & 0.195193 \\ \hline \textit{P(industrial)} & 0.853063 & 0.84174 & 0.859954 & 0.845331 & 0.932449 & 0.934837 & 0.919402 & 0.905213 \\ \hline \textit{P(commercial)} & 0.927645 & 0.906604 & 0.912822 & 0.933953 & 0.942619 & 0.932536 & 0.929032 & 0.9321 \\ \hline \textit{Time interval} & 57 & 58 & 59 & 60 & 61 & 62 & 63 & 64 \\ \hline \textit{P(residential)} & 0.206909 & 0.18131 & 0.19747 & 0.246837 & 0.296205 & 0.315952 & 0.459117 & 0.602283 \\ \hline \textit{P(industrial)} & 0.806161 & 0.804782 & 0.794923 & 0.789149 & 0.769328 & 0.742209 & 0.736045 & 0.767501 \\ \hline \textit{P(commercial)} & 0.925399 & 0.938027 & 0.947104 & 0.928812 & 0.913704 & 0.91901 & 0.94277 & 0.925885 \\ \hline \textit{Time interval} & 65 & 66 & 67 & 68 & 69 & 70 & 71 & 72 \\ \hline \textit{P(residential)} & 0.745448 & 0.888614 & 0.987349 & 0.967669 & 0.98528 & 0.982416 & 0.89894 & 0.915849 \\ \hline \textit{P(industrial)} & 0.625737 & 0.61558 & 0.650909 & 0.637098 & 0.309265 & 0.29393 & 0.308639 & 0.309649 \\ \hline \textit{P(commercial)} & 0.93479 & 0.90961 & 0.921333 & 0.921343 & 0.943368 & 0.910068 & 0.931493 & 0.943485 \\ \hline \textit{P(commercial)} & 0.93479 & 0.90961 & 0.921333 & 0.921343 & 0.943368 & 0.910068 & 0.931493 & 0.943485 \\ \hline \textit{P(commercial)} & 0.93479 & 0.90961 & 0.921333 & 0.921343 & 0.943368 & 0.910068 & 0.931493 & 0.943485 \\ \hline \textit{P(commercial)} & 0.93479 & 0.90961 & 0.921333 & 0.921343 & 0.943368 & 0.910068 & 0.931493 & 0.943485 \\ \hline \textit{P(commercial)} & 0.93479 & 0.90961 & 0.921333 & 0.921343 & 0.943368 & 0.910068 & 0.931493 & 0.943485 \\ \hline \textit{Time interval} & 0.93479 & 0.90961 & 0.921333 & 0.921$	P(industrial)	0.961526	0.977116	0.960201	1	0.881614	0.887629	0.914003	0.886707
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	P(commercial)	0.241416	0.29755	0.345161	0.394233	0.490337	0.582412	0.671146	0.798899
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	Time interval	41	42	43	44	45	46	47	48
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	P(residential)	0.22588	0.18239	0.183886	0.18868	0.197724	0.201914	0.20377	0.188098
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	P(industrial)	0.872006	0.885927	0.893611	0.903742	0.584127	0.603889	0.592105	0.585107
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	P(commercial)	0.825637	0.840081	0.830031	0.908368	0.936211	0.910031	0.908082	0.928596
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	Time interval	49	50	51	52	53	54	55	56
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	P(residential)	0.215963	0.212673	0.205945	0.212891	0.184189	0.184847	0.211484	0.195193
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	P(industrial)	0.853063	0.84174	0.859954	0.845331	0.932449	0.934837	0.919402	0.905213
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	P(commercial)	0.927645	0.906604	0.912822	0.933953	0.942619	0.932536	0.929032	0.9321
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$									
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	P(residential)	0.206909	0.18131	0.19747	0.246837	0.296205	0.315952	0.459117	0.602283
Time interval 65 66 67 68 69 70 71 72 P(residential) 0.745448 0.888614 0.987349 0.967669 0.98528 0.982416 0.89894 0.915849 P(industrial) 0.625737 0.61558 0.650909 0.637098 0.309265 0.29393 0.308639 0.309649 P(commercial) 0.93479 0.90961 0.921333 0.921343 0.943368 0.910068 0.931493 0.943485	P(industrial)	0.806161	0.804782	0.794923	0.789149	0.769328	0.742209	0.736045	0.767501
P(residential) 0.745448 0.888614 0.987349 0.967669 0.98528 0.982416 0.89894 0.915849 P(industrial) 0.625737 0.61558 0.650909 0.637098 0.309265 0.29393 0.308639 0.309649 P(commercial) 0.93479 0.90961 0.921333 0.921343 0.943368 0.910068 0.931493 0.943485	P(commercial)	0.925399	0.938027	0.947104	0.928812		0.91901	0.94277	0.925885
P(industrial) 0.625737 0.61558 0.650909 0.637098 0.309265 0.29393 0.308639 0.309649 P(commercial) 0.93479 0.90961 0.921333 0.921343 0.943368 0.910068 0.931493 0.943485	Time interval	65	66	67	68	69	70	71	72
P(commercial) 0.93479 0.90961 0.921333 0.921343 0.943368 0.910068 0.931493 0.943485	P(residential)	0.745448	0.888614	0.987349	0.967669	0.98528	0.982416	0.89894	0.915849
	P(industrial)	0.625737	0.61558	0.650909	0.637098	0.309265	0.29393	0.308639	0.309649
Time interval 73 74 75 76 77 78 79 80	P(commercial)	0.93479	0.90961	0.921333	0.921343	0.943368	0.910068	0.931493	0.943485
P(residential) 0.914023 0.871804 0.79246 0.781299 0.756144 0.794947 0.592036 0.570399	P(residential)	$0.91402\overline{3}$	0.871804	0.79246	$0.78129\overline{9}$	0.756144	0.794947	0.592036	$0.57039\overline{9}$
P(industrial) 0.020673 0.040217 0.041204 0.020775 0.025253 0.014905 0.011908 0.015896			0.040217					0.011908	0.015896
P(commercial) 0.946132 0.9251 0.920119 0.942527 0.941346 0.94861 0.906366 0.914152	P(commercial)	0.946132		$0.92011\overline{9}$	$0.94252\overline{7}$	$0.94134\overline{6}$	0.94861	0.906366	$0.91415\overline{2}$
Time interval 81 82 83 84 85 86 87 88	Time interval					85	86	87	88
P(residential) 0.574256 0.569346 0.428671 0.436826 0.4494 0.430487 0.268107 0.251398	P(residential)	0.574256	$0.56934\overline{6}$	0.428671	$0.43682\overline{6}$	0.4494	0.430487	0.268107	0.251398
P(industrial) 0.010593 0.022328 0.038655 0.014078 0.035416 0.042972 0.010661 0.041985	P(industrial)	$0.01059\overline{3}$	0.022328	$0.03865\overline{5}$	0.014078	$0.03541\overline{6}$	0.042972	$0.01066\overline{1}$	$0.04198\overline{5}$

P(commercial)	0.889774	0.847028	0.775156	0.740371	0.667322	0.632476	0.574253	0.528264
Time interval	89	90	91	92	93	94	95	96
P(residential)	0.246352	0.24619	0.220578	0.187718	0.208585	0.18237	0.22588	0.19747
P(industrial)	0.035044	0.038249	0.045246	0.024189	0.028069	0.018974	0.031629	0.031936
P(commercial)	0.497623	0.44957	0.386511	0.334455	0.289552	0.239971	0.191993	0.144537

Table A2 Expectation of maximum output of RES

		abic 112 in	хрестано.	ii vi iiiaai	mum out	Jut of IXL		
Time interval	1	2	3	4	5	6	7	8
$\overline{P}^{\mathrm{WPP}}$	0.403772	0.404608	0.394528	0.399271	0.40277	0.395391	0.410802	0.405815
$\overline{P}^{ ext{PVP}}$	0	0	0	0	0	0	0	0
Time interval	9	10	11	12	13	14	15	16
$\overline{P}^{\mathrm{WPP}}$	0.404581	0.437513	0.479767	0.537139	0.590032	0.57551	0.59581	0.581418
$\overline{P}^{ ext{PVP}}$	0	0	0	0	0	0	0	0
Time interval	17	18	19	20	21	22	23	24
$\overline{P}^{ ext{WPP}}$	0.580055	0.570492	0.553407	0.56507	0.562214	0.556351	0.545796	0.541448
$\overline{P}^{ ext{PVP}}$	0	0	0	0	0	0	0	0
Time interval	25	26	27	28	29	30	31	32
$\overline{P}^{\mathrm{WPP}}$	0.555709	0.524411	0.451511	0.36294	0.27333	0.20159	0.223693	0.247722
$\overline{P}^{ ext{PVP}}$	0	0	0	0	0	0	0	0
Time interval	33	34	35	36	37	38	39	40
$\overline{P}^{ ext{WPP}}$	0.269248	0.29255	0.323239	0.345026	0.370117	0.387143	0.417243	0.443458
$\overline{P}^{ ext{PVP}}$	0	0	0.023018	0.046398	0.070104	0.091643	0.138189	0.186841
Time interval	41	42	43	44	45	46	47	48
$\overline{P}^{ ext{WPP}}$	0.466103	0.477779	0.499161	0.495789	0.499189	0.509582	0.502421	0.497809
$\overline{P}^{\text{PVP}}$	0.232254	0.273058	0.304453	0.339271	0.35815	0.381372	0.410406	0.429402
Time interval	49	50	51	52	53	54	55	56
$\overline{P}^{\mathrm{WPP}}$	0.506029	0.510316	0.527718	0.516486	0.521234	0.540116	0.554402	0.568147
$\overline{P}^{\text{PVP}}$	0.470317	0.49681	0.523761	0.588205	0.632964	0.708568	0.721872	0.681313
Time interval	57	58	59	60	61	62	63	64
$\overline{P}^{\text{WPP}}$	0.574503	0.593114	0.626339	0.717574	0.818106	0.910099	0.995482	0.977228
$\overline{P}^{ ext{PVP}}$	0.652765	0.62413	0.569647	0.57103	0.54184	0.51488	0.487338	0.474644
Time interval	65	66	67	68	69	70	71	72
$\overline{P}^{ ext{WPP}}$	0.994441	0.983928	1	0.898404	0.826315	0.726222	0.62725	0.590592
$\overline{P}^{ ext{PVP}}$	0.432946	0.411525	0.391728	0.350448	0.298382	0.250713	0.200696	0.161955
Time interval	73	74	75	76	77	78	79	80
$\overline{P}^{ ext{WPP}}$	0.578259	0.568517	0.561195	0.536484	0.534075	0.509432	0.495324	0.47893
$\overline{P}^{\text{PVP}}$	0.109067	0.063645	0.016784	0	0	0	0	0
Time interval	81	82	83	84	85	86	87	88
$\overline{P}^{ ext{WPP}}$	0.464023	0.434948	0.408266	0.404775	0.394436	0.394455	0.379053	0.380269
$\overline{P}^{ ext{PVP}}$	0	0	0	0	0	0	0	0
Time interval	89	90	91	92	93	94	95	96
$\overline{P}^{ ext{WPP}}$	0.380313	0.381346	0.382465	0.367379	0.366688	0.373498	0.366996	0.365885
\overline{D}^{PVP}	0	0	0	0	0	0	0	0
P	U	U	U	U	U	U	U	O .