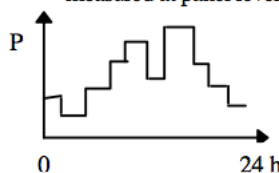
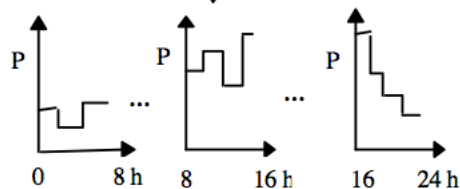


customer's daily load shape  
measured at panel level



subdivision into 6 segments  
of 8 hours each



Calculation of characteristic  
parameters for each segment

cluster **A** of patterns with not any  
usage of appliances of groups W,H

SOM based classification

cluster **P** of patterns with at least one  
usage of appliances of groups W,H

PRE-PROCESSING STAGE

BPN1

1	2	.....	32			
0	0	1	1	...	0	1
...	...	...	...	...	0	:
1	1	1	1	...	0	6

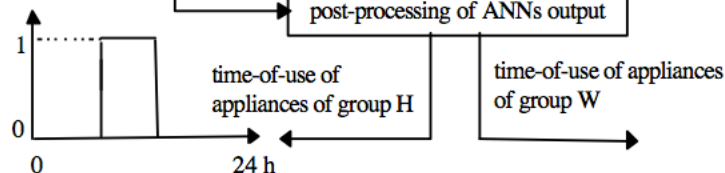
construction of BPN2 input

BPN2

	1	2	.....		32
1	0	0	0	0	... 0
:	...	...	...	...	... 0
6	1	1	1	1	... 0

IDENTIFICATION STAGE

post-processing of ANNs output



time-of-use of appliances  
of group W

