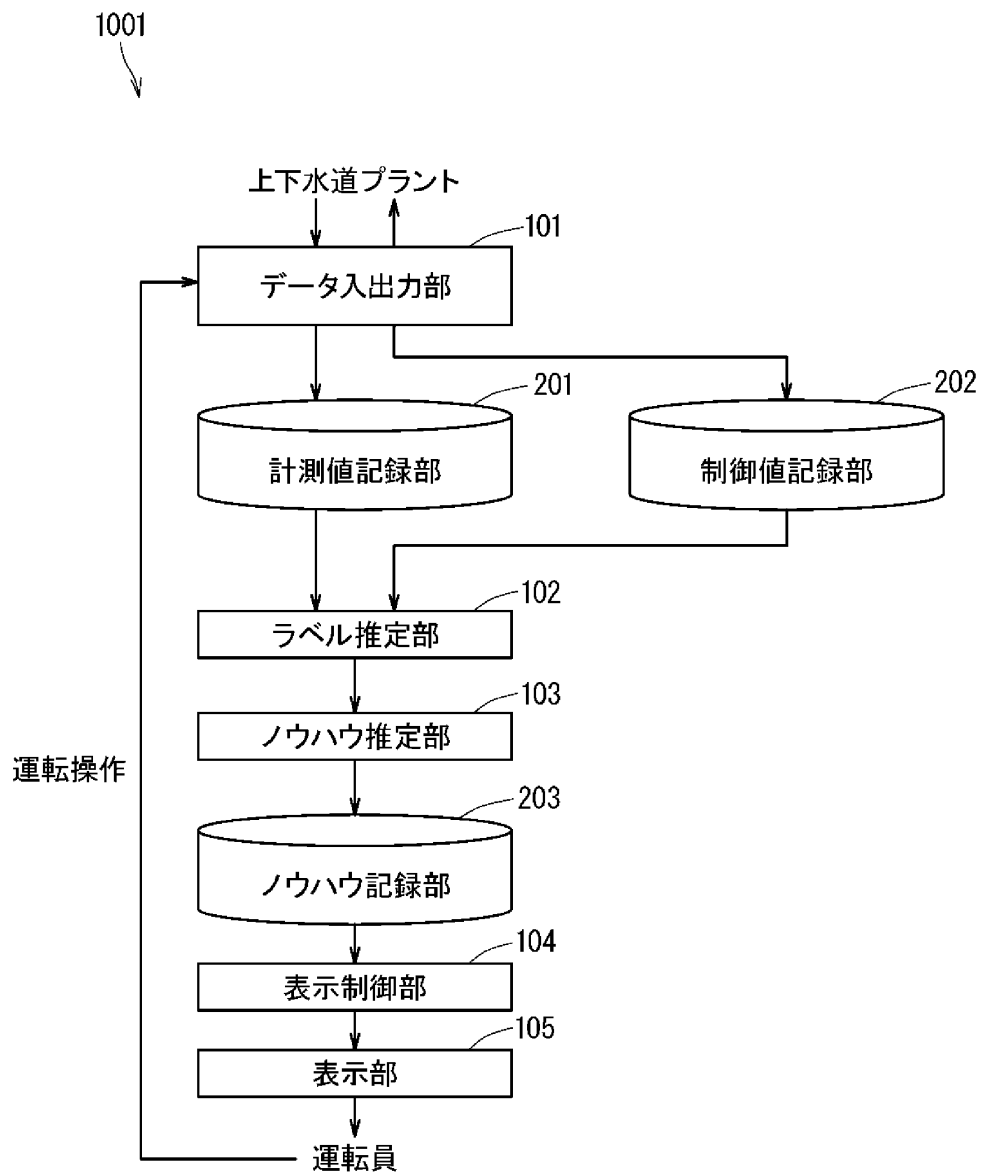
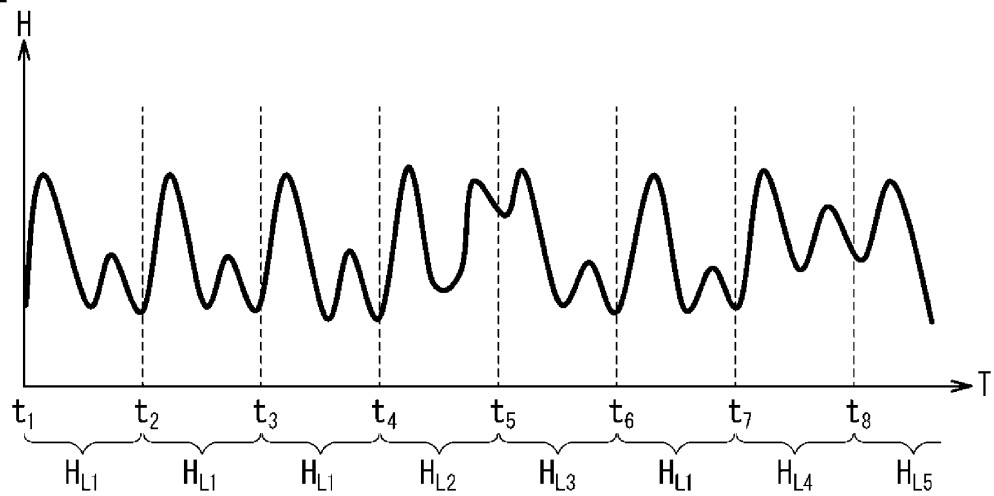


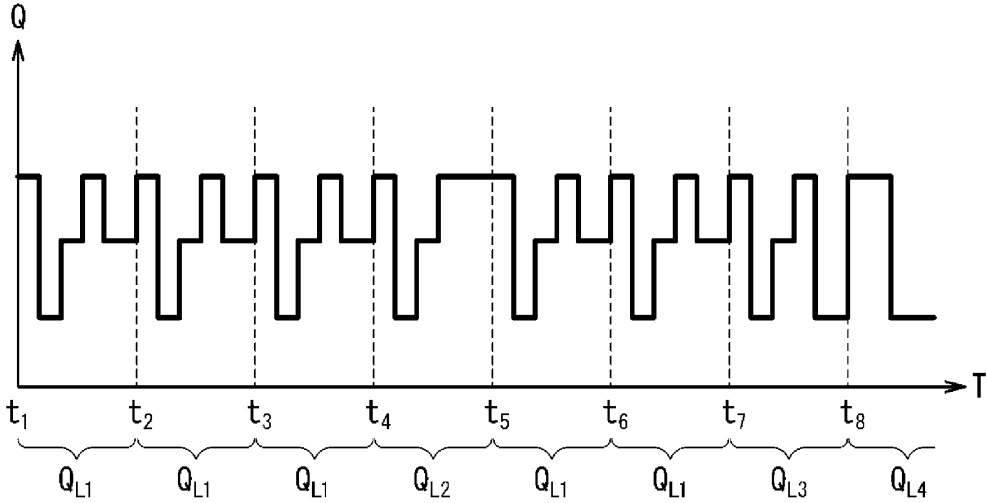
[図1]



[図2]



[図3]



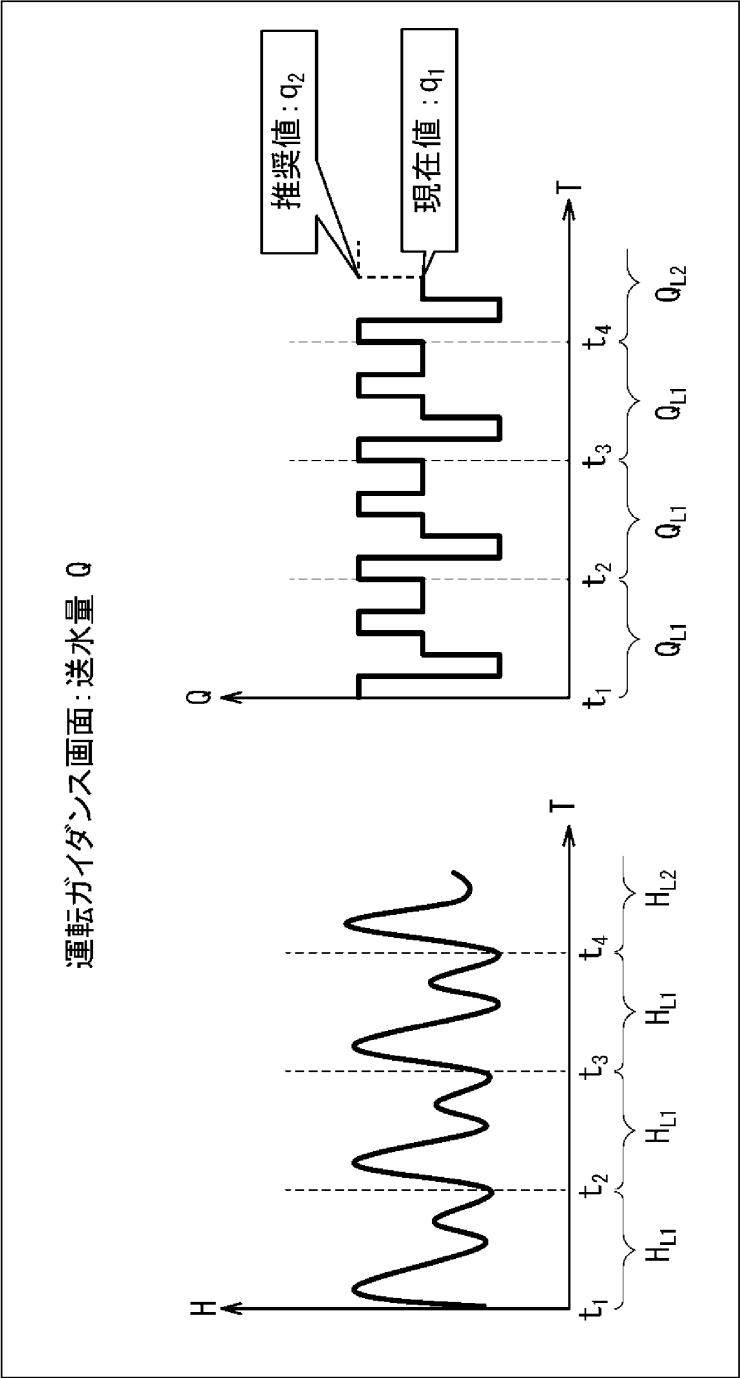
[図4]

T	H	Hのラベル	Q	Qのラベル
t_1	h_{t1}	H_{L1}	q_{t1}	Q_{L1}
$\vdots$	$\vdots$		$\vdots$	
t_2	h_{t2}	H_{L1}	q_{t2}	Q_{L1}
$\vdots$	$\vdots$		$\vdots$	
t_3	h_{t3}	H_{L1}	q_{t3}	Q_{L1}
$\vdots$	$\vdots$		$\vdots$	
t_4	h_{t4}	H_{L2}	q_{t4}	Q_{L2}
$\vdots$	$\vdots$		$\vdots$	

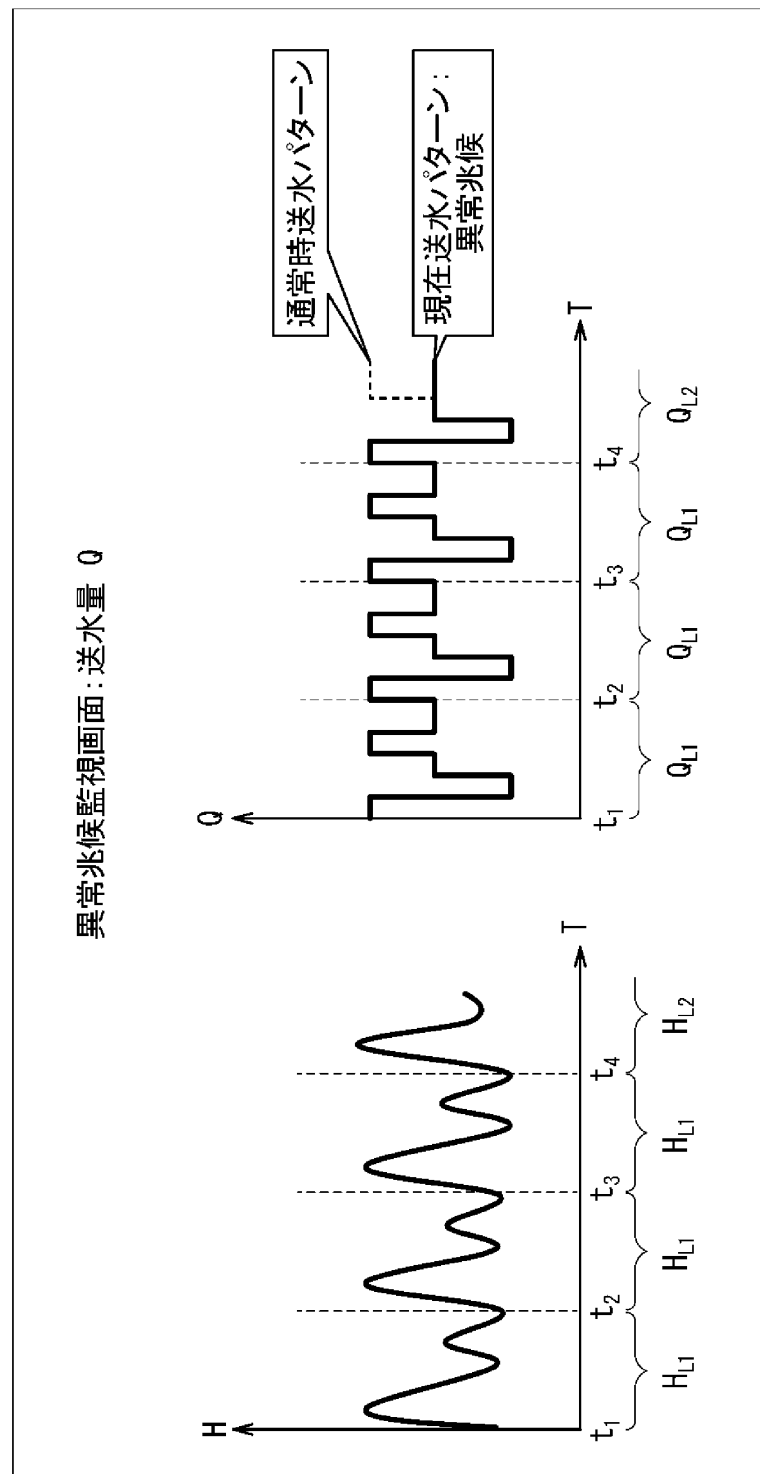
[図5]

事象X	事象Y	$n(X_i \times Y_j)$	$p(Y X)$
$H_L = \{ H_{L1}, H_{L2}, H_{L3}, H_{L4}, H_{L5} \}$	$Q_L = \{ Q_{L1}, Q_{L2}, Q_{L3}, Q_{L4} \}$	$n(H_{L1} \times Q_{L1})$	$p(Q_L H_L) = n(H_{L1} \times Q_{L1}) / n(H_{L1})$
H_{L1}	Q_{L1}	$n(H_{L1} \times Q_{L1})$	$n(H_{L1} \times Q_{L1}) / n(H_{L1})$
H_{L1}	Q_{L2}	$n(H_{L1} \times Q_{L2})$	$n(H_{L1} \times Q_{L2}) / n(H_{L1})$
H_{L1}	Q_{L3}	$n(H_{L1} \times Q_{L3})$	$n(H_{L1} \times Q_{L3}) / n(H_{L1})$
H_{L1}	Q_{L4}	$n(H_{L1} \times Q_{L4})$	$n(H_{L1} \times Q_{L4}) / n(H_{L1})$
H_{L2}	Q_{L1}	$n(H_{L2} \times Q_{L1})$	$n(H_{L2} \times Q_{L1}) / n(H_{L2})$
H_{L2}	Q_{L2}	$n(H_{L2} \times Q_{L2})$	$n(H_{L2} \times Q_{L2}) / n(H_{L2})$
$\vdots$	$\vdots$	$\vdots$	$\vdots$
H_{L5}	Q_{L4}	$n(H_{L5} \times Q_{L4})$	$n(H_{L5} \times Q_{L4}) / n(H_{L5})$

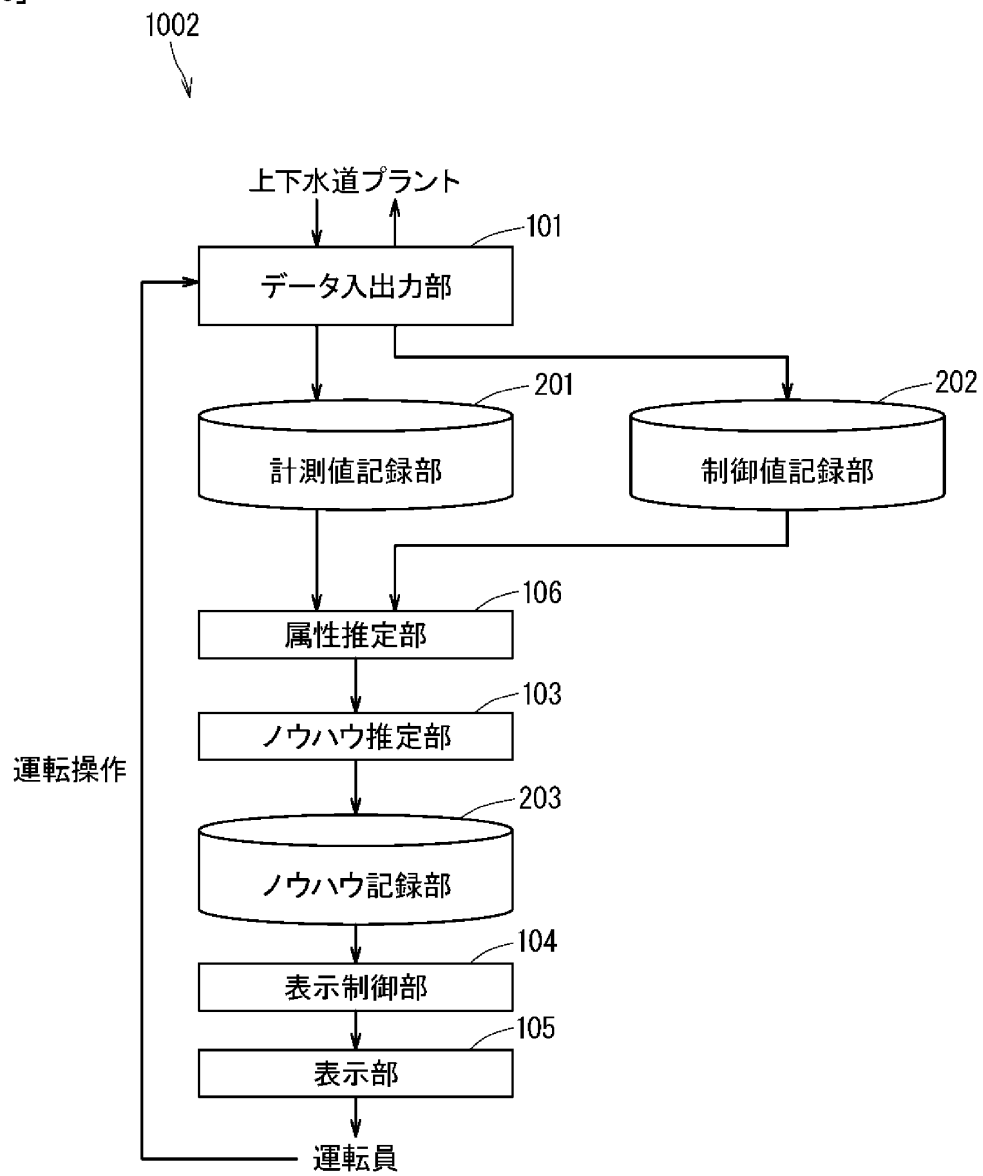
[図6]



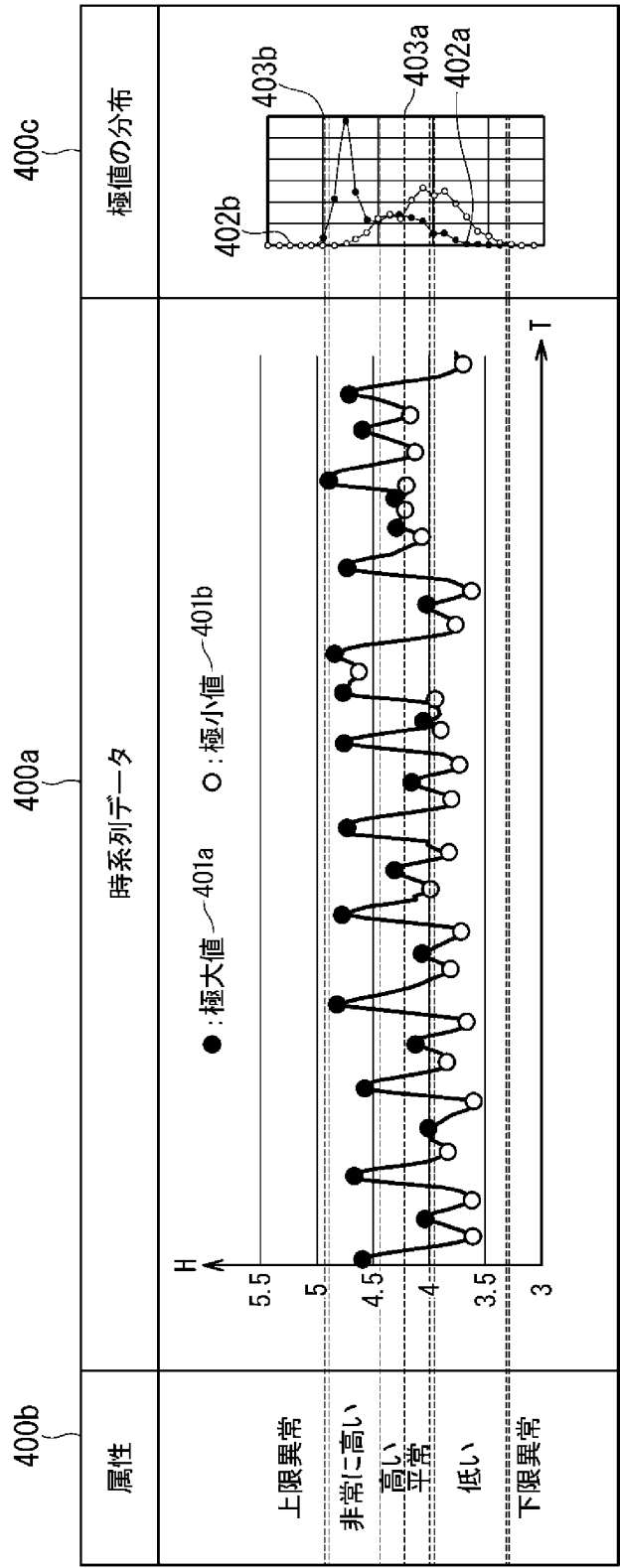
[図7]



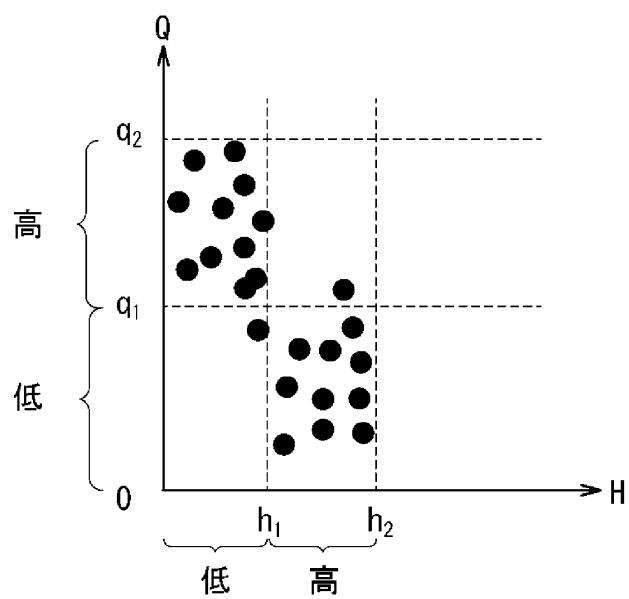
[図8]



[図9]



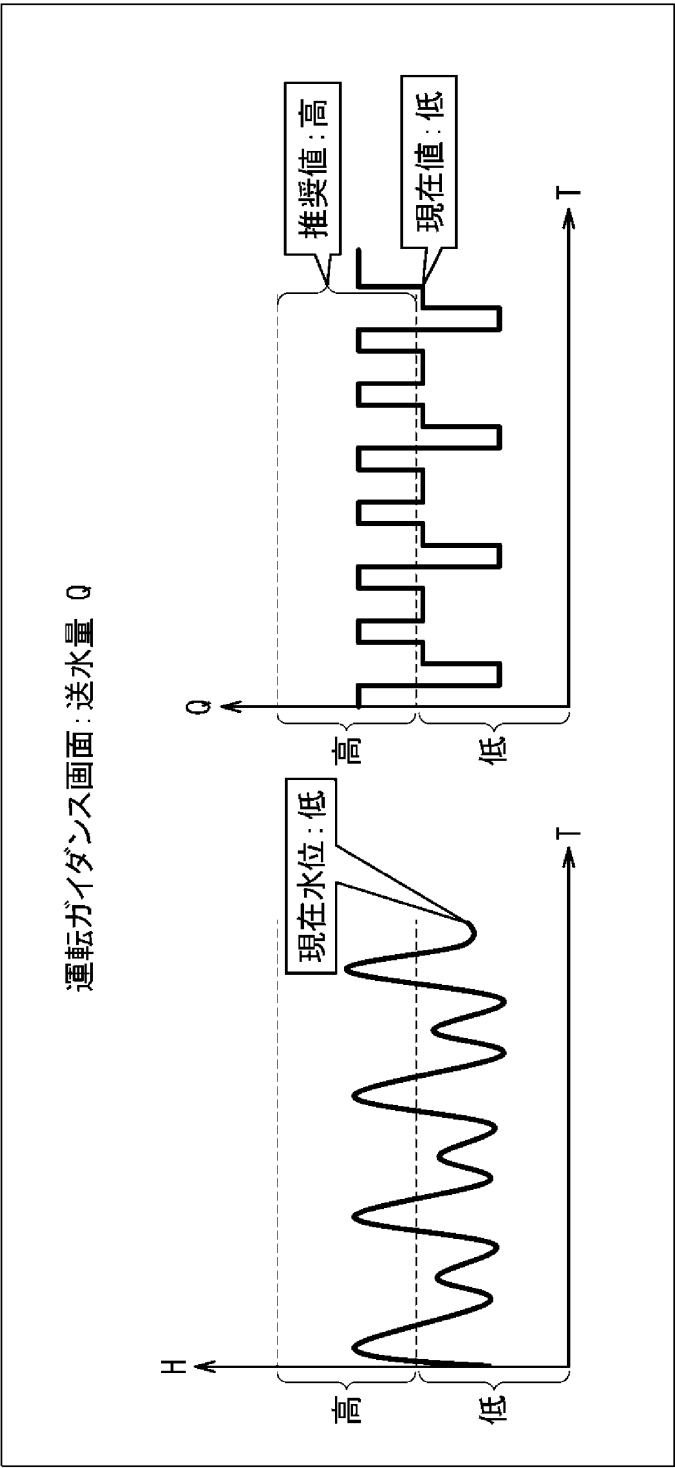
[図10]



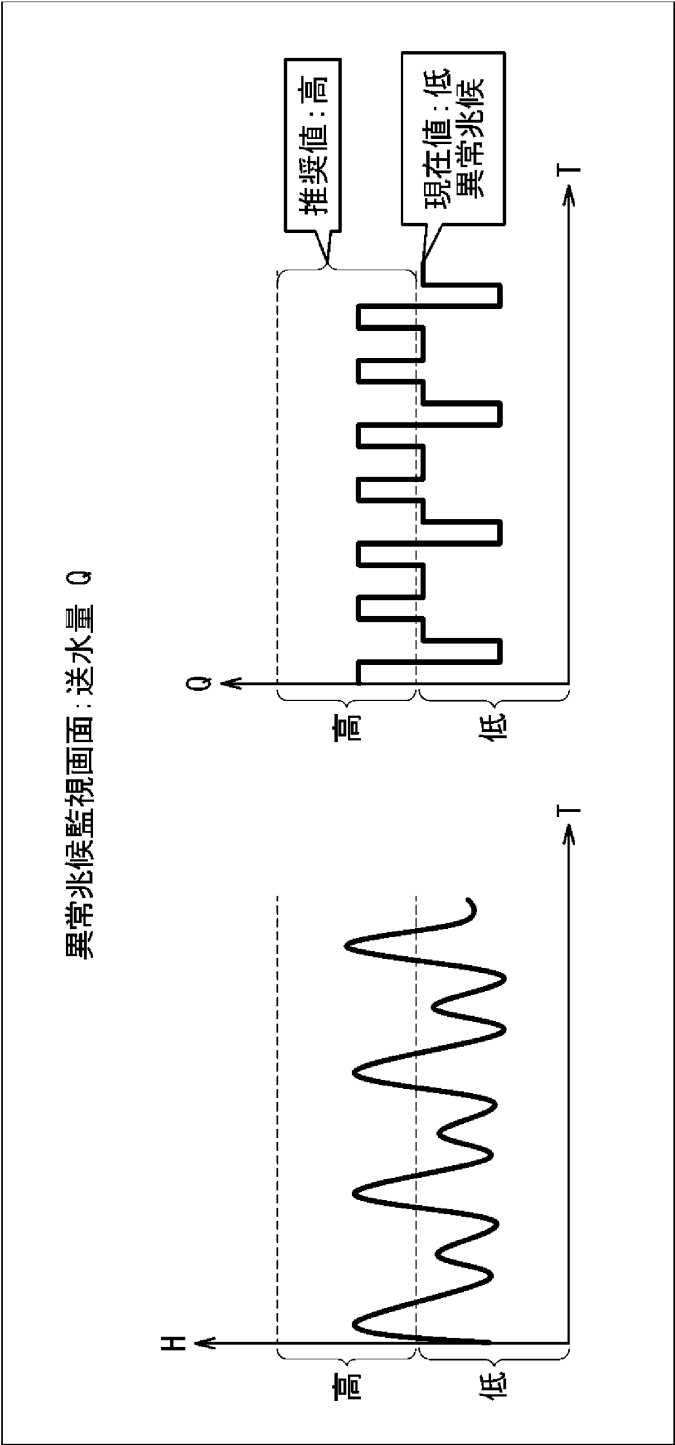
[図11]

事象X	事象Y	$n(X_i \times Y_j)$	$p(Y X)$
$H_A = \{H_{A1} = \text{低}, H_{A2} = \text{高}\}$	$Q_A = \{Q_{A1} = \text{低}, Q_{A2} = \text{高}\}$	$n(H_{A1} \times Q_{A1})$	$p(Q_A H_A) = n(H_{A1} \times Q_{A1}) / n(H_{A1})$
$H_{A1} = \text{低}$	$Q_{A1} = \text{低}$	$n(H_{A1} \times Q_{A1}) = 1$	$n(H_{A1} \times Q_{A1}) / n(H_{A1}) = 1/12$
$H_{A1} = \text{低}$	$Q_{A2} = \text{高}$	$n(H_{A1} \times Q_{A2}) = 11$	$n(H_{A1} \times Q_{A2}) / n(H_{A1}) = 11/12$
$H_{A2} = \text{高}$	$Q_{A1} = \text{低}$	$n(H_{A2} \times Q_{A1}) = 10$	$n(H_{A2} \times Q_{A1}) / n(H_{A2}) = 10/11$
$H_{A2} = \text{高}$	$Q_{A2} = \text{高}$	$n(H_{A2} \times Q_{A2}) = 1$	$n(H_{A2} \times Q_{A2}) / n(H_{A2}) = 1/11$

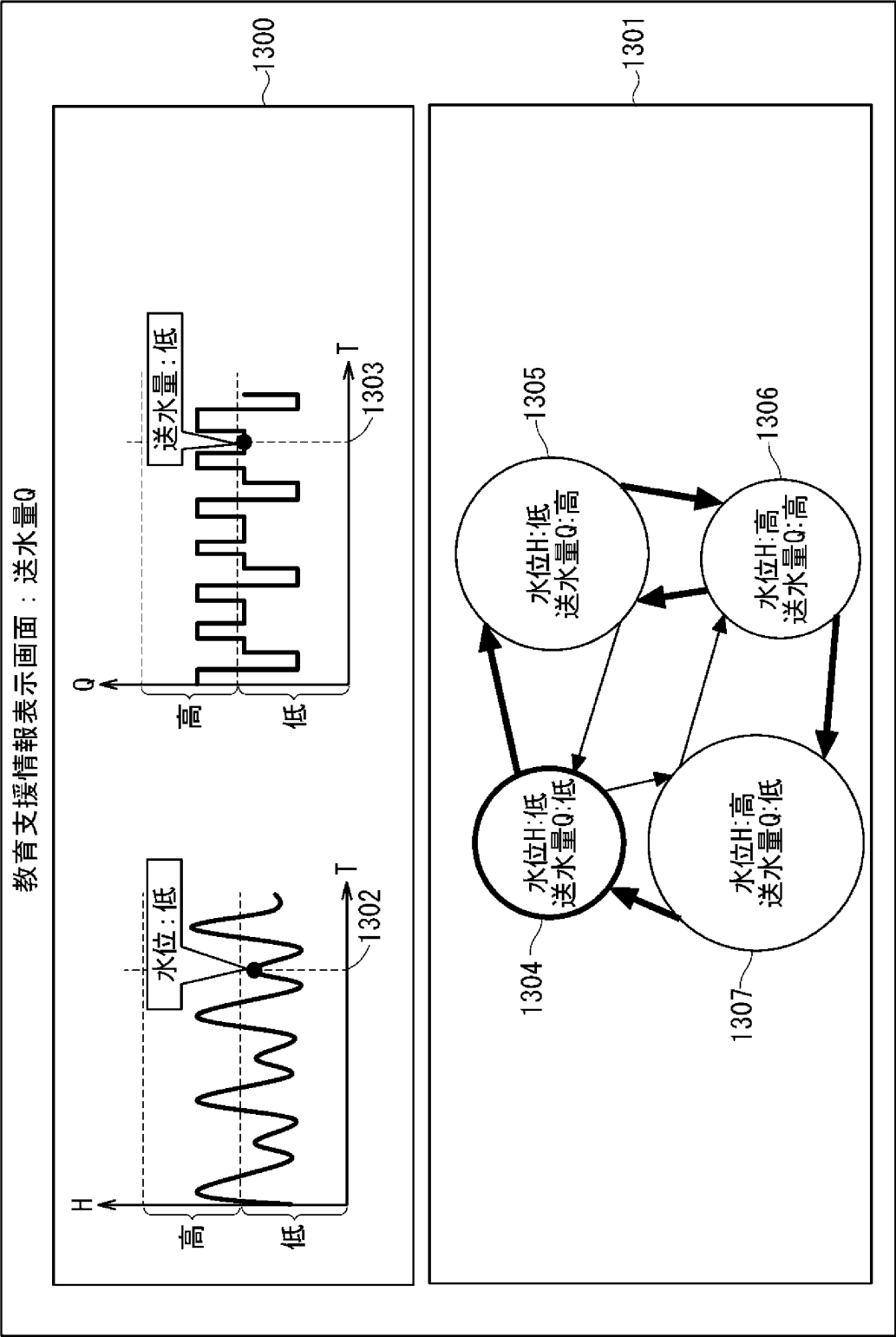
[図12]



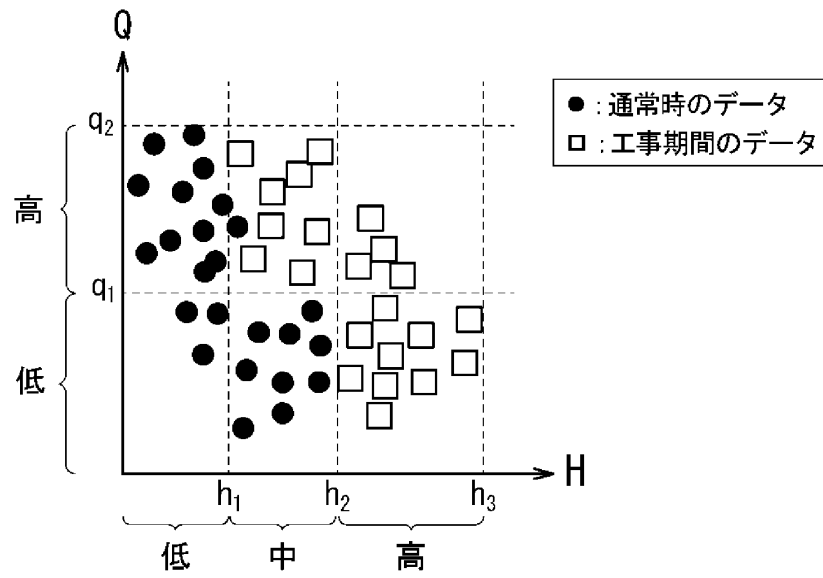
[圖13]



[图14]



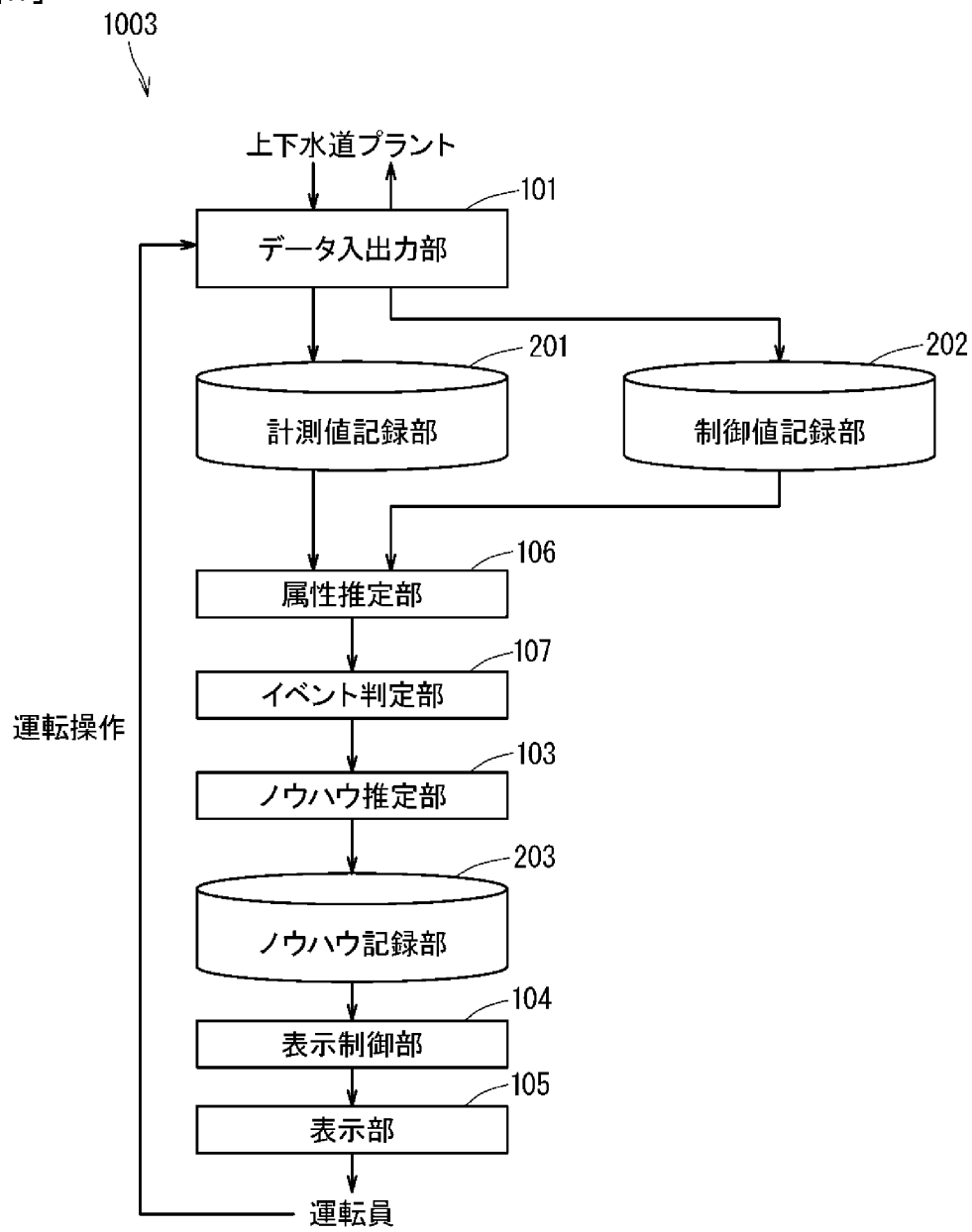
[図15]



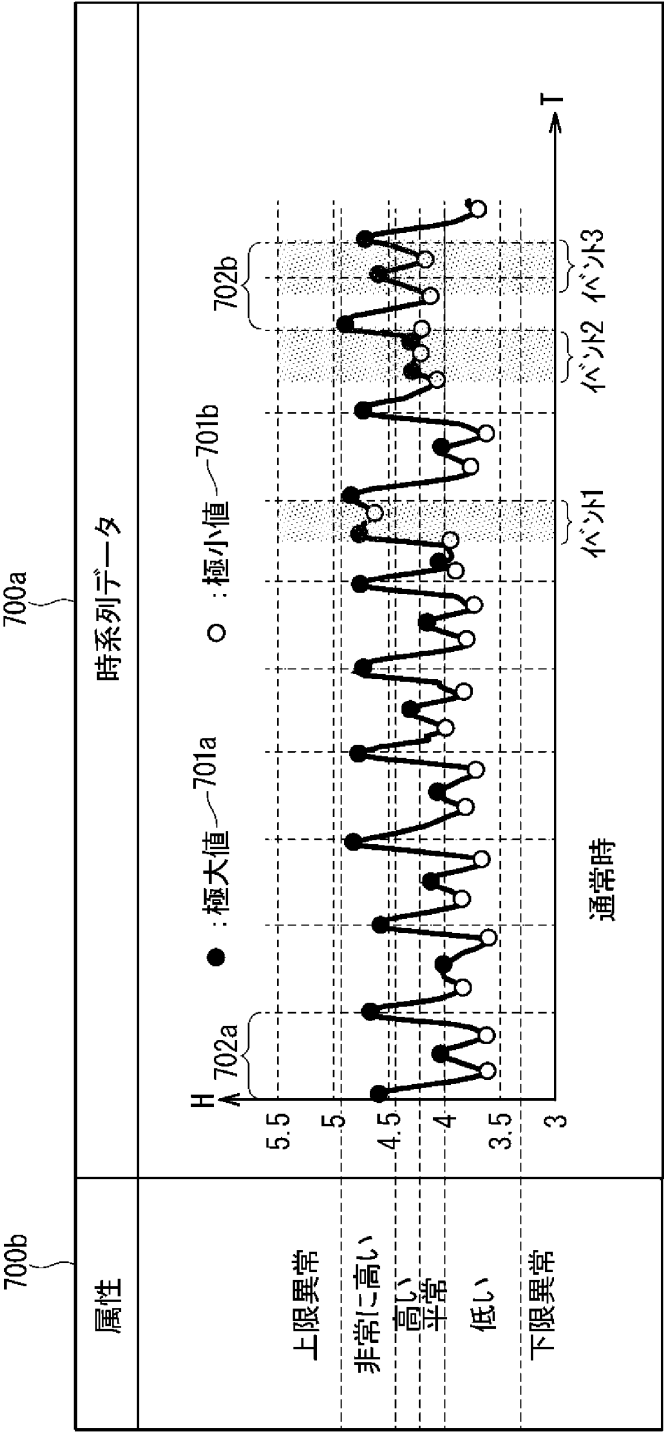
[図16]

事象X	事象Y	$n(X_i \times Y_j)$	$p(Y X)$
$H_A = \{H_{A1}(\text{低}), H_{A2}(\text{中}), H_{A3}(\text{高})\}$	$Q_A = \{Q_{A1}(\text{低}), Q_{A2}(\text{高})\}$	$n(H_{A1} \times Q_{A1})$	$p(Q_{A1} H_A) = n(H_{A1} \times Q_{A1}) / n(H_{A1})$
$H_{A1}(\text{低})$	$Q_{A1}(\text{低})$	$n(H_{A1} \times Q_{A1}) = 3$	$n(H_{A1} \times Q_{A1}) / n(H_{A1}) = 3/14$
$H_{A1}(\text{低})$	$Q_{A2}(\text{高})$	$n(H_{A1} \times Q_{A2}) = 11$	$n(H_{A1} \times Q_{A2}) / n(H_{A1}) = 11/14$
$H_{A2}(\text{中})$	$Q_{A1}(\text{低})$	$n(H_{A2} \times Q_{A1}) = 9$	$n(H_{A2} \times Q_{A1}) / n(H_{A2}) = 9/17$
$H_{A2}(\text{中})$	$Q_{A2}(\text{高})$	$n(H_{A2} \times Q_{A2}) = 8$	$n(H_{A2} \times Q_{A2}) / n(H_{A2}) = 8/17$
$H_{A3}(\text{高})$	$Q_{A1}(\text{低})$	$n(H_{A3} \times Q_{A1}) = 10$	$n(H_{A3} \times Q_{A1}) / n(H_{A3}) = 10/14$
$H_{A3}(\text{高})$	$Q_{A2}(\text{高})$	$n(H_{A3} \times Q_{A2}) = 4$	$n(H_{A3} \times Q_{A2}) / n(H_{A3}) = 4/14$

[図17]



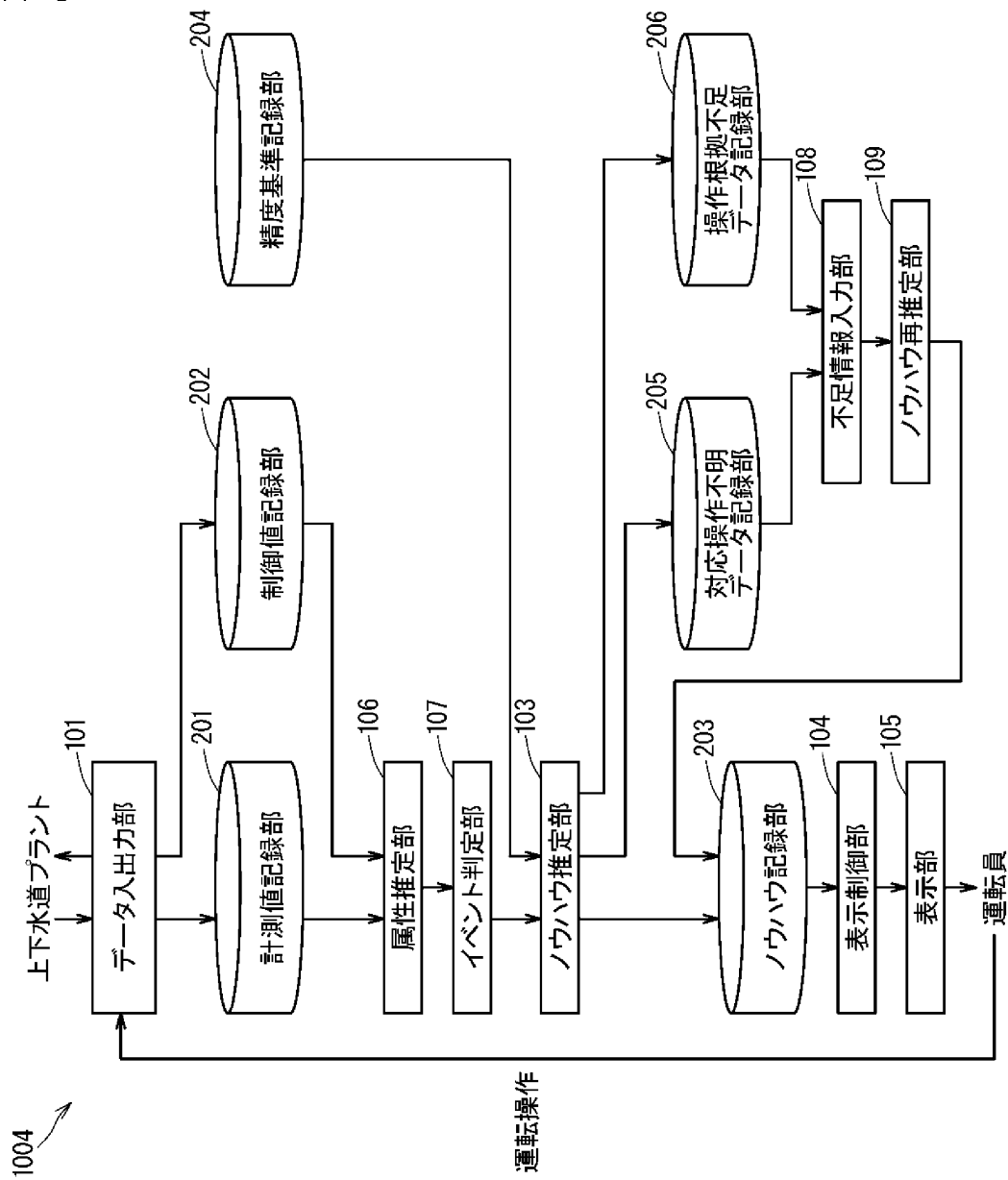
[図18]



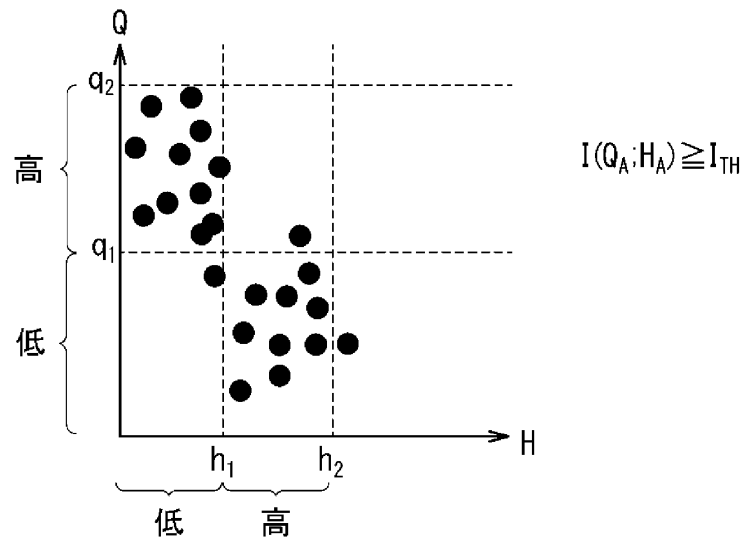
[図19]

事象X		事象Y	$n(X_i \times Y_j)$	$p(Y X)$
$E_A = \{E_{A1}(\text{通常}), E_{A2}(\text{工事})\}$	$H_A = \{H_{A1}(\text{低}), H_{A2}(\text{中}), H_{A3}(\text{高})\}$	$Q_A = \{Q_{A1}(\text{低}), Q_{A2}(\text{高})\}$	$n(E_{Ak} \times H_{A1} \times Q_{Aj})$	$p(Q_A H_A, E_A) = n(E_{Ak} \times H_{A1} \times Q_{Aj}) / n(H_{A1} \times E_{Ak})$
$E_{A1}(\text{通常})$	$H_{A1}(\text{低})$	$Q_{A1}(\text{低})$	$n(E_{A1} \times H_{A1} \times Q_{A1}) = 3$	$n(E_{A1} \times H_{A1} \times Q_{A1}) / n(E_{A1} \times H_{A1}) = 3/14$
$E_{A1}(\text{通常})$	$H_{A1}(\text{低})$	$Q_{A2}(\text{高})$	$n(E_{A1} \times H_{A1} \times Q_{A2}) = 11$	$n(E_{A1} \times H_{A1} \times Q_{A2}) / n(E_{A1} \times H_{A1}) = 11/14$
$E_{A1}(\text{通常})$	$H_{A2}(\text{中})$	$Q_{A1}(\text{低})$	$n(E_{A1} \times H_{A2} \times Q_{A1}) = 9$	$n(E_{A1} \times H_{A2} \times Q_{A1}) / n(E_{A1} \times H_{A2}) = 9/10$
$E_{A1}(\text{通常})$	$H_{A2}(\text{中})$	$Q_{A2}(\text{高})$	$n(E_{A1} \times H_{A2} \times Q_{A2}) = 1$	$n(E_{A1} \times H_{A2} \times Q_{A2}) / n(E_{A1} \times H_{A2}) = 1/10$
$E_{A1}(\text{通常})$	$H_{A3}(\text{高})$	$Q_{A1}(\text{低})$	$n(E_{A1} \times H_{A3} \times Q_{A1}) = 0$	-
$E_{A1}(\text{通常})$	$H_{A3}(\text{高})$	$Q_{A2}(\text{高})$	$n(E_{A1} \times H_{A3} \times Q_{A2}) = 0$	-
$E_{A2}(\text{工事})$	$H_{A1}(\text{低})$	$Q_{A1}(\text{低})$	$n(E_{A2} \times H_{A1} \times Q_{A1}) = 0$	-
$E_{A2}(\text{工事})$	$H_{A1}(\text{低})$	$Q_{A2}(\text{高})$	$n(E_{A2} \times H_{A1} \times Q_{A2}) = 0$	-
$E_{A2}(\text{工事})$	$H_{A2}(\text{中})$	$Q_{A1}(\text{低})$	$n(E_{A2} \times H_{A2} \times Q_{A1}) = 0$	$n(E_{A2} \times H_{A2} \times Q_{A1}) / n(E_{A2} \times H_{A2}) = 0/8$
$E_{A2}(\text{工事})$	$H_{A2}(\text{中})$	$Q_{A2}(\text{高})$	$n(E_{A2} \times H_{A2} \times Q_{A2}) = 8$	$n(E_{A2} \times H_{A2} \times Q_{A2}) / n(E_{A2} \times H_{A2}) = 8/8$
$E_{A2}(\text{工事})$	$H_{A3}(\text{高})$	$Q_{A1}(\text{低})$	$n(E_{A2} \times H_{A3} \times Q_{A1}) = 10$	$n(E_{A2} \times H_{A3} \times Q_{A1}) / n(E_{A2} \times H_{A3}) = 10/14$
$E_{A2}(\text{工事})$	$H_{A3}(\text{高})$	$Q_{A2}(\text{高})$	$n(E_{A2} \times H_{A3} \times Q_{A2}) = 4$	$n(E_{A2} \times H_{A3} \times Q_{A2}) / n(E_{A2} \times H_{A3}) = 4/14$

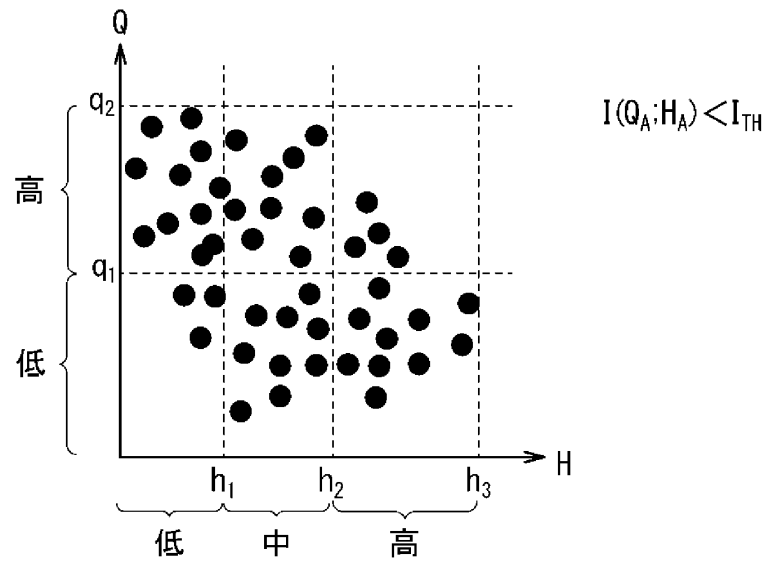
[図20]



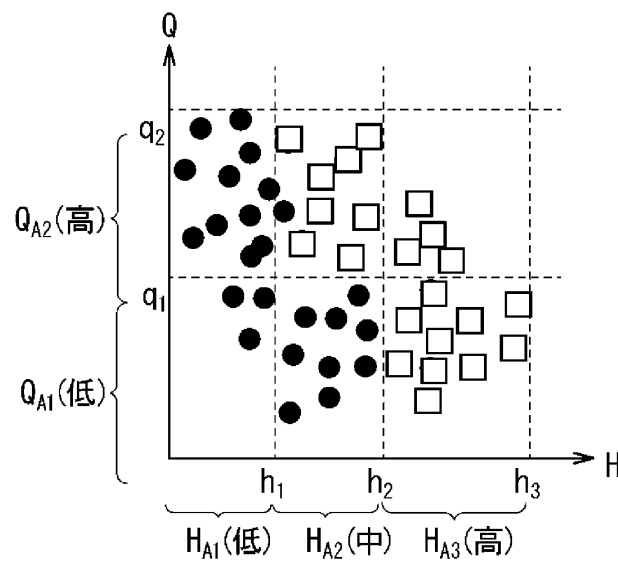
[図21]



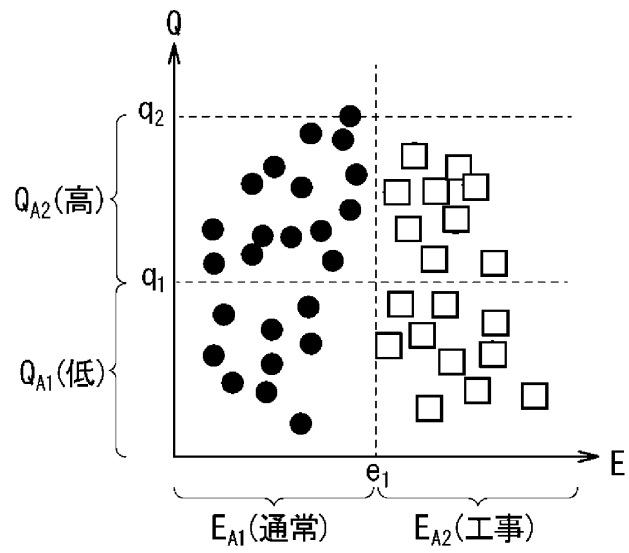
[図22]



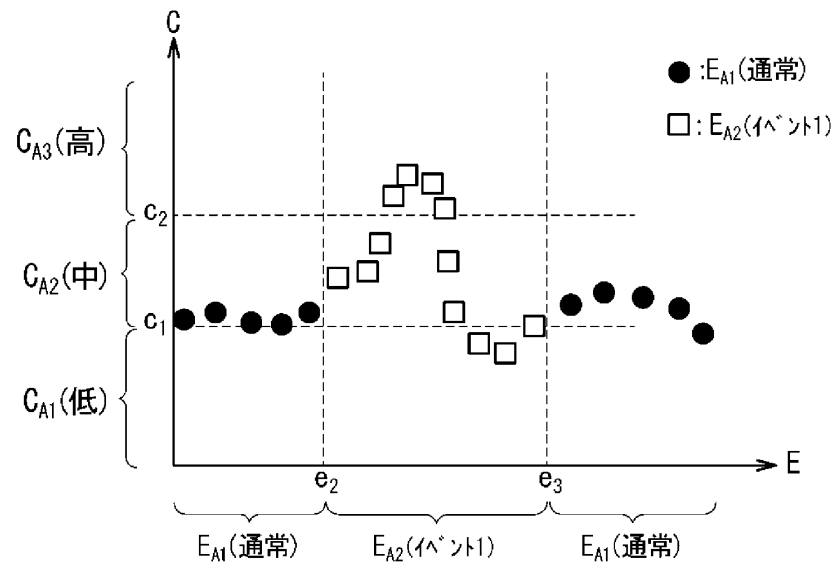
[図23]



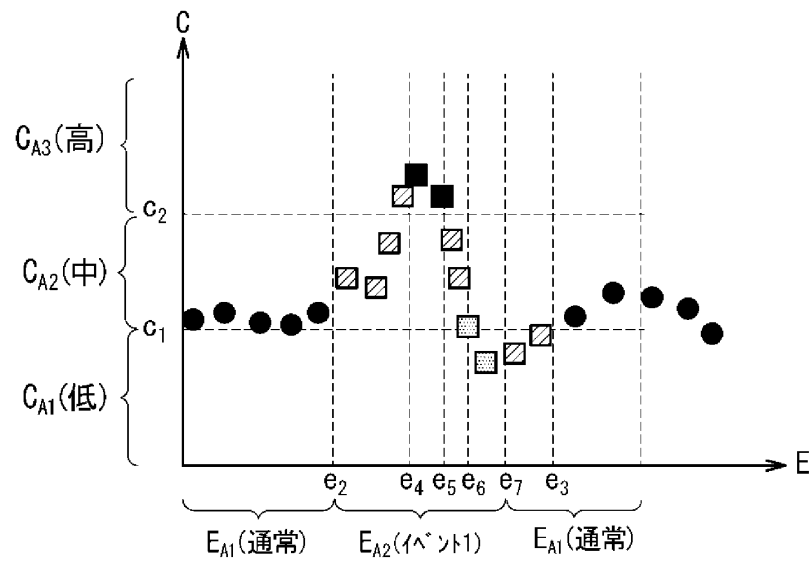
[図24]



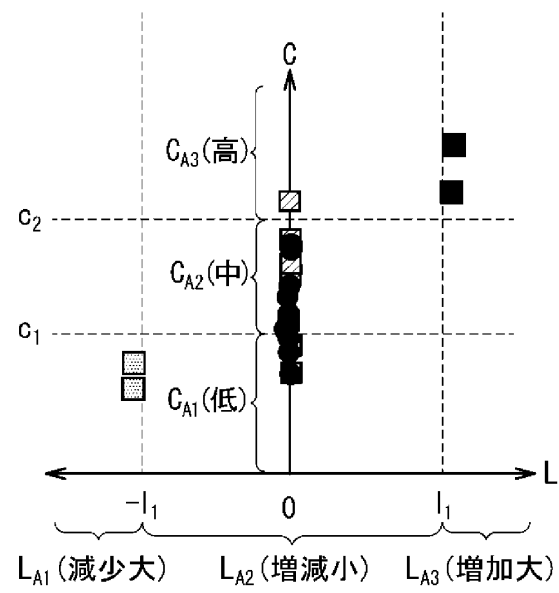
[図25]



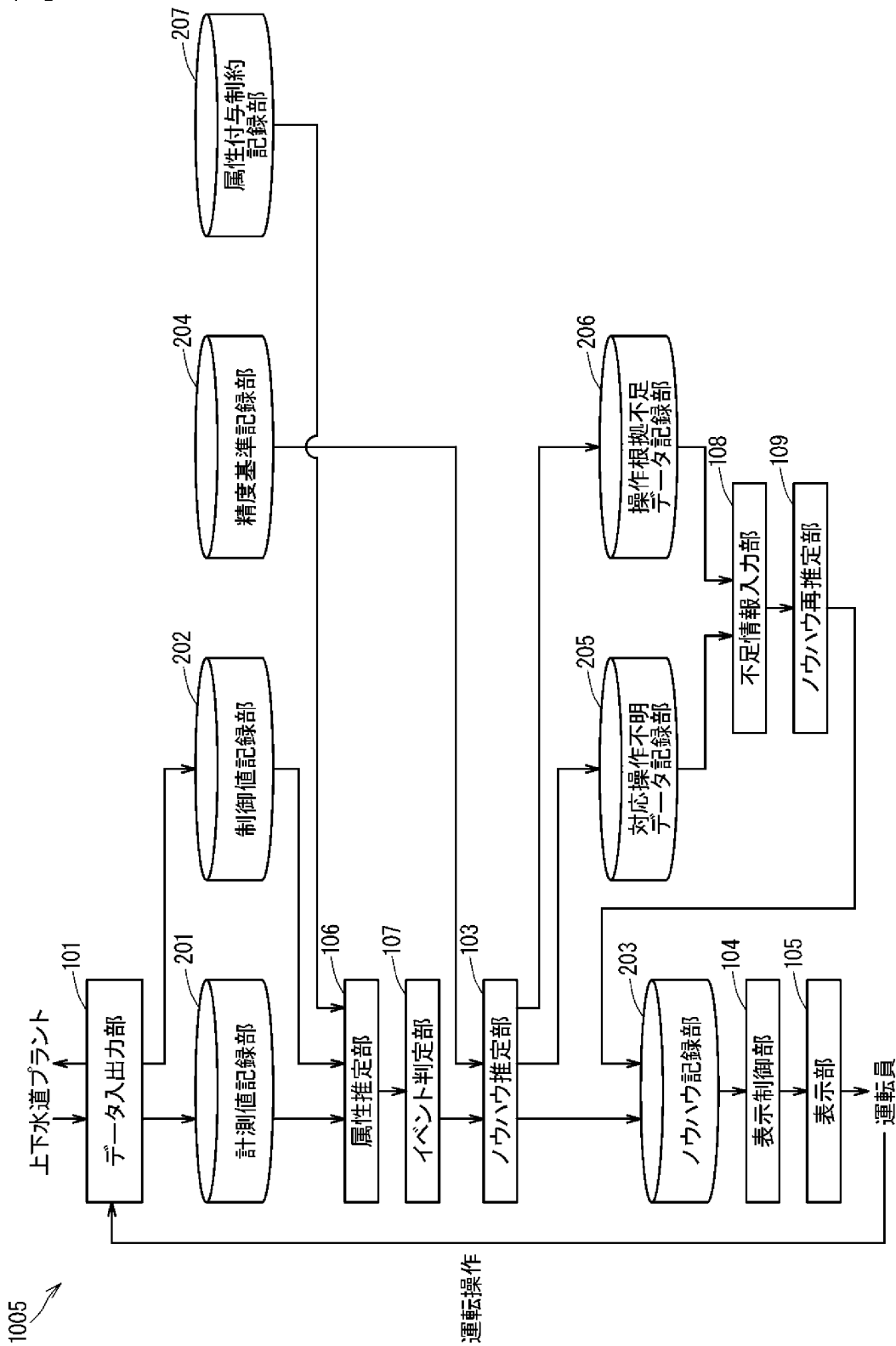
[図26]



[図27]



[図28]



[図29]

