

## min - min - max 法

①  $\mu$ - $\mu$  の条件ごとの一致度を求める. $e$  $\Delta e$ 

$$\mu_1 - \mu_2 : \mu_{\text{正小}}(-2) = 0.3, \mu_{\text{正小}}(+1) = 0.7$$

$$\mu_1 - \mu_2 : \mu_{\text{正小}}(+1) = 0.7$$

$$\mu_1 - \mu_3 : \mu_{\text{正小}}(-2) = 1, \mu_{\text{正小}}(+1) = 0.7$$

② 各条件の一致度を条件部全体の一致度を求める.

$$\mu_1 - \mu_2 : 0.3 \wedge 0.7 = 0.3$$

$$\mu_1 - \mu_2 : 0.3 \wedge 0.7 = 0.3$$

$$\mu_1 - \mu_3 : 1 \wedge 0.7 = 0.7$$

③ 条件部全体の一致度で結論部へのアジィ集合を重み付け.

$$\mu_1 - \mu_2 : 0.3 \wedge \text{負で小土} = \{0.3/-4, 0.3/-3, 0.3/-2, 0.3/-1, 0.3/0\}$$

$$\mu_1 - \mu_2 : 0.3 \wedge \text{正で小土} = \{0.3/-2, 0.3/-1, 0.3/0, 0.3/1, 0.3/2\}$$

$$\mu_1 - \mu_3 : 0.7 \wedge \text{正で小土} = \{0.3/0, 0.7/1, 0.7/2, 0.7/3, 0.3/4\}$$

④ 重み付けられたアジィ集合を1つにまとめる.

$$(0.3 \wedge \text{負で小土}) \vee (0.3 \wedge \text{正で小土}) \vee (0.7 \wedge \text{正で小土})$$

$$= \{0.3/-4, 0.3/-3, 0.3/-2, 0.3/-1, 0.3/0, 0.7/1, 0.7/2, 0.7/3, 0.3/4\}$$

⑤ 1つにまとめたアジィ集合から値を1つ選り出す

$$(0.3 \times (-4) + 0.3 \times (-3) + 0.3 \times (-2) + 0.3 \times (-1) + 0.3 \times 0 + 0.7 \times 1 + 0.7 \times 2 + 0.7 \times 3 + 0.3 \times 4)$$

$$\div (0.3 + 0.3 + 0.3 + 0.3 + 0.3 + 0.7 + 0.7 + 0.7 + 0.3)$$

$$= (-1.2 - 0.9 - 0.6 - 0.3 + 0.7 + 1.4 + 2.1 + 1.2) \div 3.9$$

$$= 2.4 \div 3.9 = 0.61538462$$