

The way of calculating uncrossing price

1. Narrowing down the range of possible matching by calculating accumulated total of corresponding bids (Bid accumulation) and corresponding offers (Offer accumulation)

<Condition1>

(1) Narrowing down the range of price by determining the highest price in which Bid accumulation exceeds Offer accumulation.

(2) Narrowing down the range of price by determining the lowest price in which Offer accumulation exceeds Bid accumulation.

		_		Mar		_		
			offer	price	bid	Bid	Accu	mulation
-		60		99.010		0		(1) The higest price in which Bid
		60	30	99.005	20	20		accumulation exceeds offer accumulation is
		30		99.000	10	30		98.995
		30	20	98.995	20	50		(2) The lowest price in which Offer
		10	10	98.990		50		accumulation exceeds Bid accumulation is
		0		98.985		50	Î	⇒98.995、99.000、99.005
Offer	Accu	mul	ation		•	•	•	

2. Specifying the price at which either the volume of Offers or the volume of Bids can be completely executed.

< Condition2 >

Among the prices that satisfies requirement of condition 1, determining the price that satisfies the following requirements ((1) and (2)) .

(1) Bid accumulation of the said price \geqq Offer accumulation of the one-tick-size lower price than the said price

and

(2) Offer accumulation of the said price \geq Bid accumulation of the one-tick-size higher price than the said price

			Mar		DIG ACCU	mulation
		offer	price	bid		(1) Prices that satisfies condition 2 (1)
4	60		99.010		0	is
	60	30	99.005	20	20	$99.000 \sim 98.995$
	30		99.000	10	30	(2) Prices that satisfies condition 2 (2)
	30	20	98.995	20	50	is
	10	10	98.990		50	$99.005 \sim 98.995$
	0		98.985		50	⇒98.995, 99.000
f,	m Acar	umulation			· · · · ·	

Offer Accumulation

3. Specifying the price that coincides with or nearest to the reference price.

<Condition3>

or

If there is more than one price specified in the condition 2, uncrossing price will be either; (1) the reference price when there is the same price among the said prices as the reference price,

(2) the closest price to the reference price when there is not.

			Mar			
		offer	price	bid	Bid	Accumulation
4	60		99.010		0	
	60	30	99.005	20	20	When the reference price (the Official
	30		99.000	10	30	Closing Price on the previous business day
	30	20	98.995	20	50	or the price designated by the Exchange)
	10	10	98.990		50	is 98.995, uncrossing price is 98.995.
	0		98.985		50	

Offer Accumulation

As stated above, 30 lots traded at a price of 98.995. (Shaded areas show Traded orders)

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