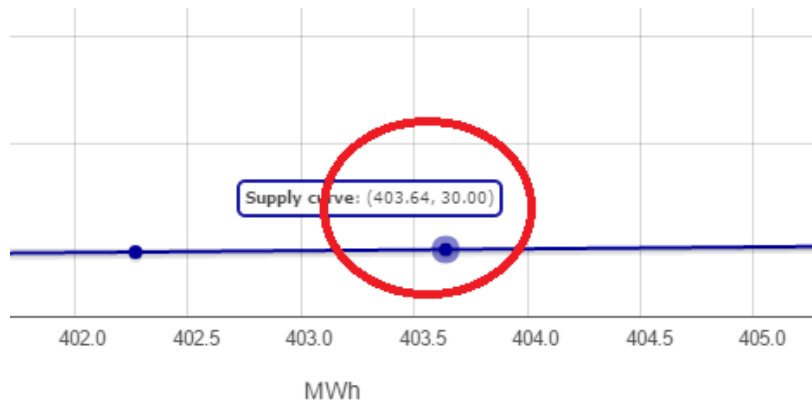




Why in the supply and demand curves on the Day Ahead Market there are point coordinates with 2 digits after the decimal separator, although every market participant can submit orders multiple of 100 kW [0,1 MW]?

On the aggregated demand and supply curves on [IBEX website](#), there are point with coordinates (price and volume), containing a volume value with two digits after the decimal separator:



Explanation:

(Please, read question “How the orders are aggregated and curves are build?”)

Let’s review and example where the following two orders are submitted:

Order 1:

Area	Bulgaria			
Currency	EUR			
Price Steps	0,0	35,0	42,0	42,1
Hour 1	15,0	15,0	9,0	0,0
Hour 2				

Order 2:

Area	Bulgaria			
Currency	EUR			
Price Steps	0,0	30,0	45,0	45,1
Hour 1	30,0	30,0	5,0	0,0
Hour 2				

Before aggregating the two orders we have to calculate what is the demand on every single price step. For this reason, we will add to each order, the price steps of the other one, without changing its meaning.

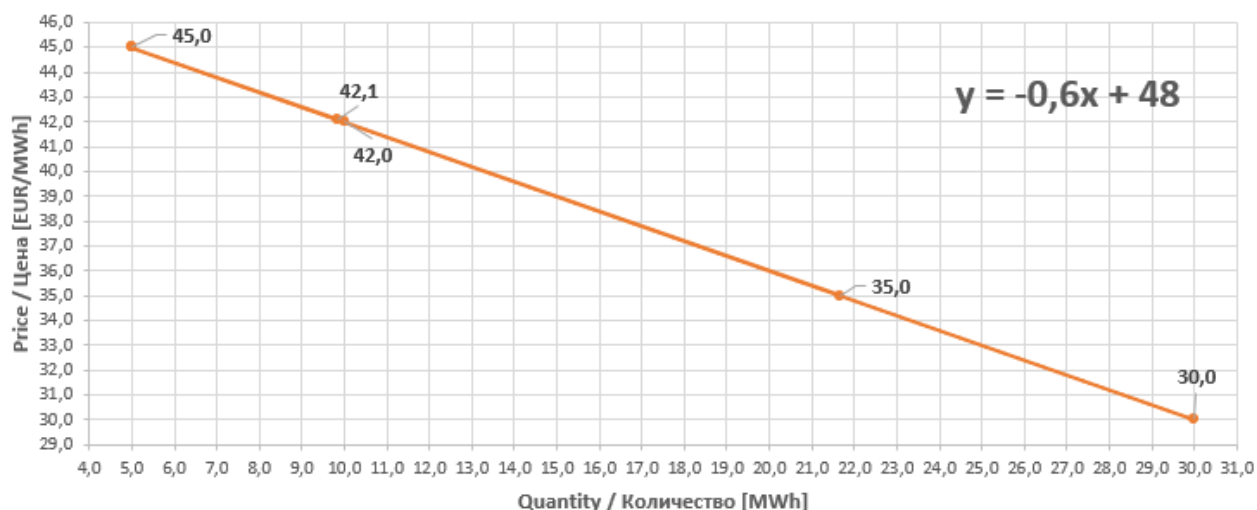
Order 1:	Area	Bulgaria						
	Currency	EUR						
	Price Steps	0,0	30,0	35,0	42,0	42,1	45,0	45,1
	Hour 1	15,0	15,0	15,0	9,0	0,0	0,0	0,0
	Hour 2							

Order 2:	Area	Bulgaria						
	Currency	EUR						
	Price Steps	0,0	30,0	35,0	42,0	42,1	45,0	45,1
	Hour 1	30,0	30,0	21,6667	10,0	9,8333	5,0	0,0
	Hour 2							

In order one, the volumes on every new price step are obvious, because they are in an interval between two different prices with same volumes.

In the case of order two, to calculate what will be the purchased volume on the price steps of 35, 42 and 42,1 EUR/MWh, we have to solve a straight line equation, which looks the following way:

Demand / Потребление

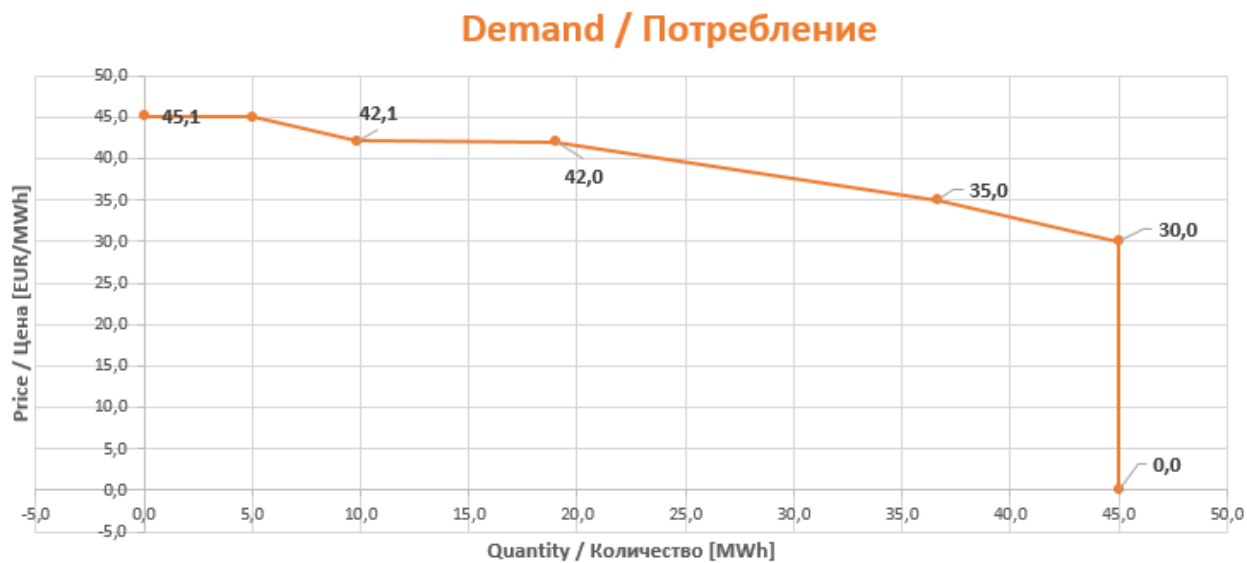


This way the volumes on every single price step are calculated.

For building the demand curve, the two orders are aggregated in one order:

	Area	Bulgaria						
	Currency	EUR						
	Price Steps	0,0	30,0	35,0	42,0	42,1	45,0	45,1
	Hour 1	45,0	45,0	36,6667	19,0	9,8333	5,0	0,0

Graphically, the aggregated demand curve looks the following way:



The calculations and identical when building the supply curve.

For calculating the price and traded volume for every single delivery period (1 hour), the aggregated demand and supply curves are built by taking every couple price-volume with its maximum accuracy.

For the purpose of better visualisation, their values on the chart are rounded to two digits after the decimal separator.