

**Step1** : Select initial cardinality set

Cardinality set

**Step2** : Solve the QCQP

Are the AS & TE in the range?

NO

YES

**Step3** : Update algorithm

Updated Cardinality set

Solve the QCQP

Did exceed 3 minutes?

NO

YES

Portfolio

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graph TD; Step1[Step1 : Select initial cardinality set] --> CS[/Cardinality set/]; CS --> Step2[Step2 : Solve the QCQP]; Step2 --> D1{Are the AS & TE in the range?}; D1 -- NO --> Step2; D1 -- YES --> Step3[Step3 : Update algorithm]; Step3 --> UCS[/Updated Cardinality set/]; UCS --> S2[Solve the QCQP]; S2 --> D2{Did exceed 3 minutes?}; D2 -- NO --> Step3; D2 -- YES --> Portfolio[Portfolio];
```