

ex01

Team building

Zn smallInstance.dzn — Untitled Project

File Edit MiniZinc View Help

New model Open Save Copy Cut Paste Undo Redo Shift left Shift right Run Stop Show project explorer

Configuration smallInstance.dzn

```
1 STUDENTS = {BOB, TED, ALICE, FRED, MAY, JUNE, AVRIL, KATE, JIM, PETE, PHIL, DUG};
2
3 T = 6;
4 LWB = 2;
5 UPB = 4;
6 apart = [ |MAY, JUNE | TED, BOB | KATE, PETE | DUG, TED | FRED, AVRIL | BOB, DUG | ];
7 together = [ |BOB, ALICE | JIM, PETE | ];
```

Output

Ready.

Example on some small instances

```
Command Prompt
C:\cpM\ex01-2018>mzn-gecode teamBuilding.mzn smallInstance.dzn
number of teams = 3
teams students are in: [1, 2, 1, 2, 2, 3, 3, 3, 1, 1, 2, 3]
team sizes: [4, 4, 4]
team 1: BOB ALICE JIM PETE
team 2: TED FRED MAY PHIL
team 3: JUNE AVRIL KATE DUG
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=====

C:\cpM\ex01-2018>mzn-gecode teamBuilding.mzn data/instance-12-2-4-05-05.dzn
number of teams = 3
teams students are in: [1, 2, 1, 2, 2, 2, 3, 3, 1, 1, 3, 3]
team sizes: [4, 4, 4]
team 1: Phillip Dale Charles Barbara
team 2: Maurice Richard Jason Lindsay
team 3: Chris Robert Andrew Mitchell
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=====

C:\cpM\ex01-2018>mzn-gecode teamBuilding.mzn data/instance-20-2-4-05-05-3.dzn
number of teams = 5
teams students are in: [1, 1, 1, 2, 3, 2, 1, 3, 4, 5, 5, 4, 2, 4, 3, 4, 5, 3, 2, 5]
team sizes: [4, 4, 4, 4, 4]
team 1: Mike Dawn Monica Glenn
team 2: Amy Brent Harry Andrew
team 3: Harvey Lee Allan Bill
team 4: Chris Martha Lori Tim
team 5: Rick Emma Leslie Edna
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=====

C:\cpM\ex01-2018>
```