

Matching dual

May 30, 2017

```
import itertools
list2d = [3*[1], 15*[0]]
merged = lambda l: list(itertools.chain(*l))
print merged(list2d)
[1, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0]

%typeset_mode True

# A, B
A = (merged([3*[1], 15*[0]]), merged([3*[0], 2*[1], 13*[0]]), \
merged([5*[0], 3*[1], 10*[0]]), merged([8*[0], 3*[1], 7*[0]]), \
merged([11*[0], 2*[1], 5*[0]]), merged([13*[0], 3*[1], \
2*[0]]), merged([16*[0], 2*[1]]), \
merged([[1], 2*[0], [1], 4*[0], [1], 9*[0]]), merged([[0], \
[1], 4*[0], [1], 9*[0], [1], [0]]), \
merged([2*[0], [1], 12*[0], [1], 2*[0]]), merged([4*[0], \
[1], 4*[0], [1], 8*[0]]), \
merged([5*[0], [1], 5*[0], [1], [0], [1], 4*[0]]), \
merged([7*[0], [1], 6*[0], [1], 3*[0]]), \
merged([10*[0], [1], [0], [1], 4*[0], [1]]))
b = (14*[1])
c = tuple((18*[1]))
P = InteractiveLPProblem(A, b, c, ["xAq", "xAs", "xAv", "xBq", "xBt", \
"xCr", "xCs", "xCu", "xDq", "xDt", "xDw", \
"xEr", "xEw", "xFr", "xFu", "xFv", \
"xGs", "xGw"],
constraint_type="=", variable_type=">=")

view(P)
```

