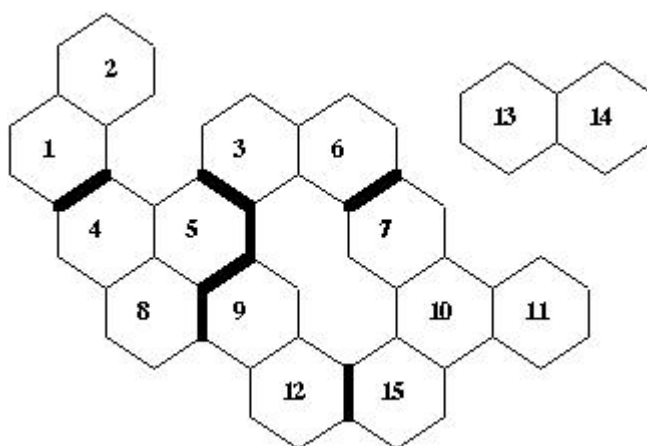


: (Prolog)
 : - 2014-15
 : . , .

(2) 6 9: 6

ATEITALK 15
 ,
 ,
): (



15
 r5 6. (r6. (r1, r2, r3, r4,

:
 region(r1, 2110, [1,2]).
 region(r2, 2210, [4,5,8]).
 region(r3, 2310, [3,6]).
 region(r4, 2410, [7,10,11,15]).
 region(r5, 2510, [9,12]).
 region(r6, 2610, [13,14]).

- (. . r3 2310).
- (. . 6 6),
- (. . 24186).

:
 telephone(2310-6-64221, name(andriopoulos, nikos)).
 telephone(2510-12-24234, name(papantoniou, kiki)). . . .

1. *connect/2*

,
(
).

2. *which_sector_area/3*,

.
:
?-*which_sector_area(2110-2-53479,Sector, Area)*.
Sector=r1
Area=2

3. *same_sector/2*,

.
:
?- *same_sector(13, 14)*.
yes

4. *can_call/3*,

,
.
:
?- *can_call(papadakis, georgiou, Route)*.
Route = [1, 4, 5, 3, 6, 7, 10, 11]

5. ,
1p, 2 p
2 , 3p 3 , . . .
(4),

:
?- *can_call(papadakis, georgiou, Route, Cost)*.
Route = [1, 4, 5, 3, 6, 7, 10, 11]
Cost = 3

6. ,
:
?- *ateitalk*.

Wellcome to ATEITALK.

Choose one of the following operations:

1. *Verify Connection of 2 Areas.*

2. *Find Sector and Area of a Telephone Number.*

3. *Find Route and Cost of a specific call.*

4. *Exit.*

Choice -> 3.