

Snake - dr : int { row direction of snake head } - dc : int { column direction of snake head } + head : Map { Map encodes first body element } + tail : Map { Map encodes last body element } + body : List<Map> { Map encodes snake body elements } + Snake.on(SnakeGame model) + snake 1 – game SnakeGame + size : int { Size of quadratic game field } + level : int { not used so far } + field : List<List<Symbol>> { game field } + increaseMiceCounter(int n) : void 1..*+ mice Mouse - dc : int { column direction } + pos : Map { Map encodes Mouse position } + Mouse.staticOn(SnakeGame g, int row, int col) { creates a non moving mouse } + Mouse.movingOn(SnakeGame g, int row, int col) { creates a moving mouse with random direction } + move() : void