

## **Outline of lecture**

- Dining philosopher problem (DPP)
- Dining Room in UML & Java
- Chopstick in UML & Java
- Philosopher in UML & Java
- DPP in UML & Java
- Analysis of DPP



















Philosopher in UML & Java (3)	
<pre>public void run() {</pre>	
for (int i = 0; i < howManyDinners; i++) {	
// thinking	
try { droom.enter(); }	entering DR
catch (InterruptedException e) {}	
try { left.acquire(); } <sup>≪</sup>	acquiring the left chopstick
catch (InterruptedException e) {}	
	acquiring the right chopstick
catch (InterruptedException e) {}	
// taking a dinner	releasing the right characticle
fight.felease(),	releasing the right chopstick
left.release(); <	releasing the left chopstick
droom.leave(); <	leaving DR
}	























