

Janusz solves the Cheese-selection decision problem, he chooses salad



He proves that some salads are inconsistent with lobsters



Cautioning a little male dog that certain acts are not done in public when photographers are around



Janusz is secretly declared as Chief



Telling excellent jokes in Porto



Sometimes Janusz becomes unpredictable

Predictable Semiautomaton

- ▶ R_s set of words originating in state s
- ▶ $T \subseteq Q$ is k -predictable if, for any distinct states s and t of T

$$R_s \cap R_t \cap \Sigma^k = \emptyset$$

- ▶ If T is k -predictable, then it is k' -predictable for all $k' > k$
 - ▶ R_s and R_t are prefix-closed
- ▶ S is k -predictable if every critical set is k -predictable
- ▶ S is *predictable* if it is k -predictable for some k

Janusz Brzozowski, may you remain our guiding light,
at 80 years and shining !

