SEMINAR 3

return value;

std : once - flag Produces: regult set Value (v) Consumel 1: r = resultaget blue () use (A) Consumer 2: n = result.gatValue () uses(x) template < typerame T> class Future 9 public: void setValue (T ~); T get blue (); privale: T value; condition sanable cond; book Passalue; // salue can be used instead if a special "mill" salue exists set/blue (T v) 4 unique _ look < mulex > look (mtx); if (Rassberg) retruen; //dece ii deja selato saloanea value = V; Rasvalue = true; 3 // the destructor of the runction destroys the muter mtx (when the block ends) Waitt) unlocks the muter, offerwise there will be a deadlock. T getvalus () 5 unique_lock c mules > lock (mtx); waile (! Dasblue) 4 cond. wait (lock);

-1-

