**Kopanchuk E. R. AI-22**

**CODE**

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| #include<iostream>  #include<vector>  #include<ctime>  using namespace std;  class INT{  private:  int x\_;  public:  INT() { x\_ = 0; }  INT(int x) { x\_ = x; }  INT(const INT& obj) { x\_ = obj.x\_; }  friend std::ostream& operator<< (std::ostream& out, const INT& obj) {  out << obj.x\_; return out;  }  };  class DATA {  private:  vector<int> v\_;  public:  void push(const int& x) { v\_.push\_back(x); }  friend std::ostream& operator<< (std::ostream& out, const DATA& obj) {  int size = obj.v\_.size();  for (int i = 0; i < size; i++) {  out << obj.v\_[i] << ' ';  }  return out;  }  };  int main() {  const int size = 25;  vector<INT> v;  cout << "Push elems to the vector of INT's objects: ";  for (int i = 0; i < size; i++) {  v.push\_back(INT(i));  }  for (int i = 0; i < size; i++) {  cout << v[i] << ' ';  }  cout << endl;  cout << "Push elems to the DATA's object: ";  DATA d;  for (int i = 0; i < size; i++) {  d.push(i);  }  cout << d << endl;  } |

**OUTPUT**

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