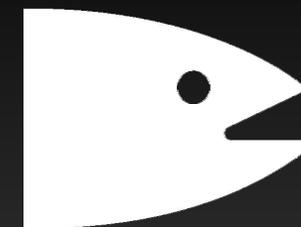


selfFish



SELFCONTROLLED WATER POLLUTION ANALYZING SYSTEM

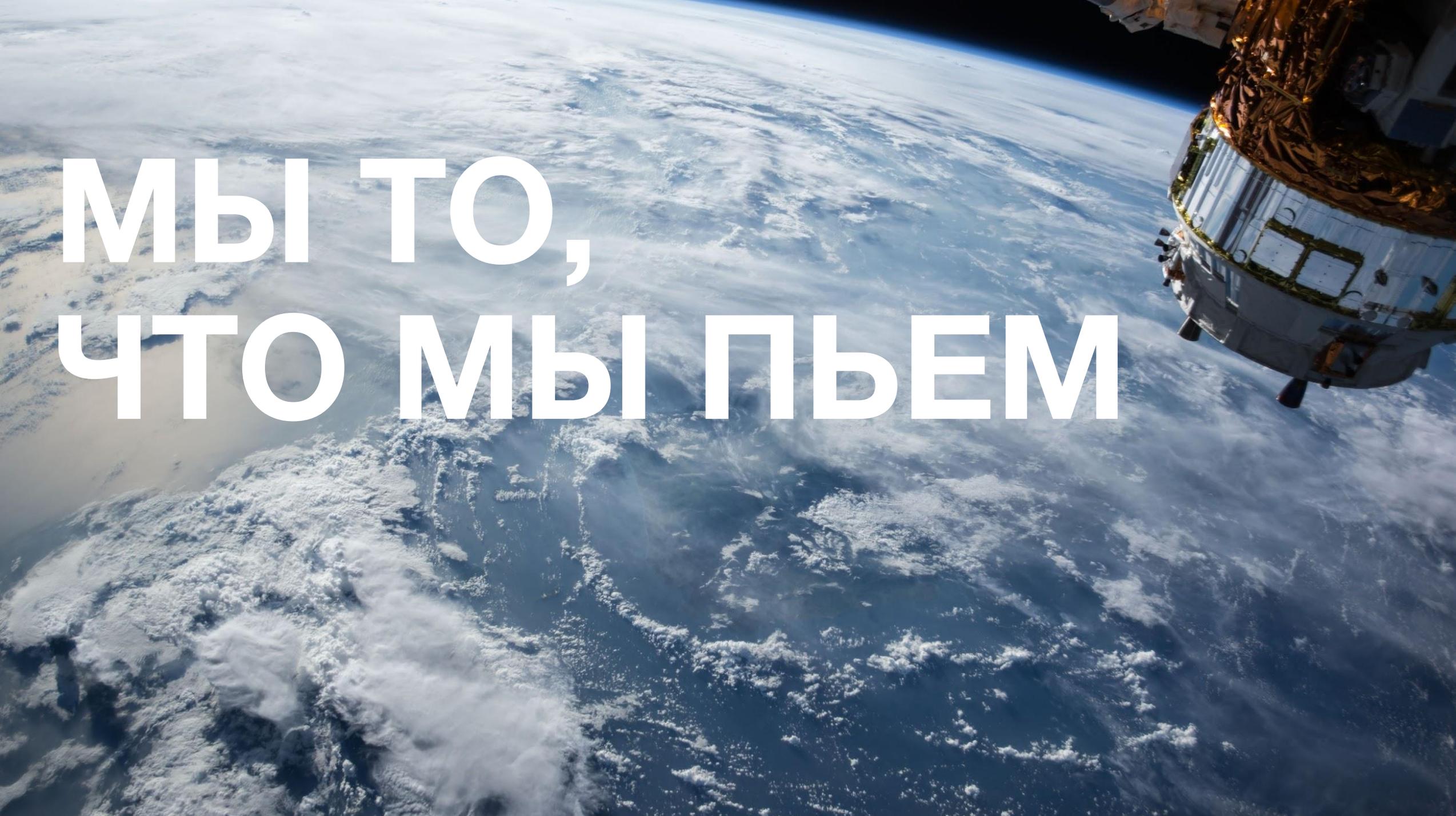
Абрамов Владислав

Мурашов Леонид

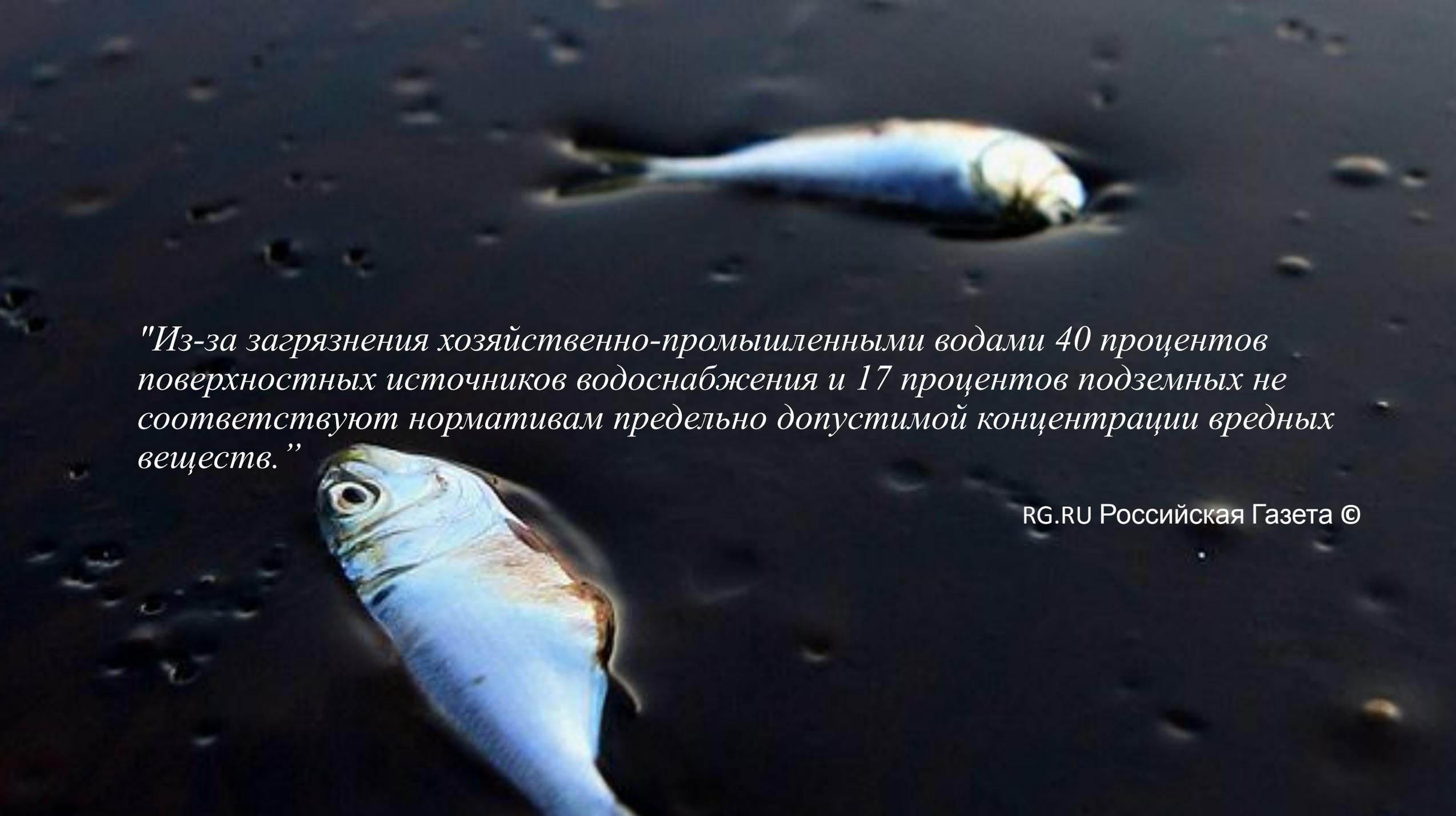
Горохов Михаил

Дмитрий Лифановский

Дарья Перегудова



**МЫ ТО,
ЧТО МЫ ПЬЕМ**

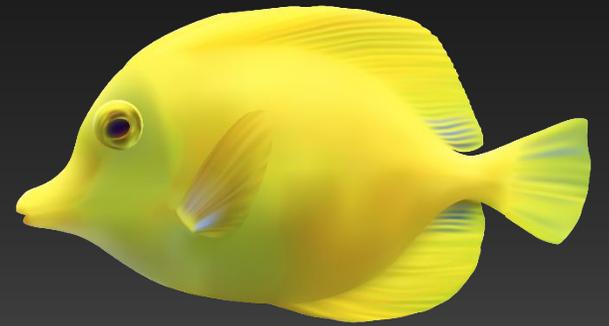
The image shows two dead fish lying on a dark, reflective surface. One fish is positioned horizontally in the upper right quadrant, and the other is positioned vertically in the lower left quadrant. Both fish appear to be of a similar species, possibly a type of sea bream or similar fish, with silvery scales and a yellowish-brown head. The background is dark and textured, suggesting a wet or polished surface.

"Из-за загрязнения хозяйственно-промышленными водами 40 процентов поверхностных источников водоснабжения и 17 процентов подземных не соответствуют нормативам предельно допустимой концентрации вредных веществ."

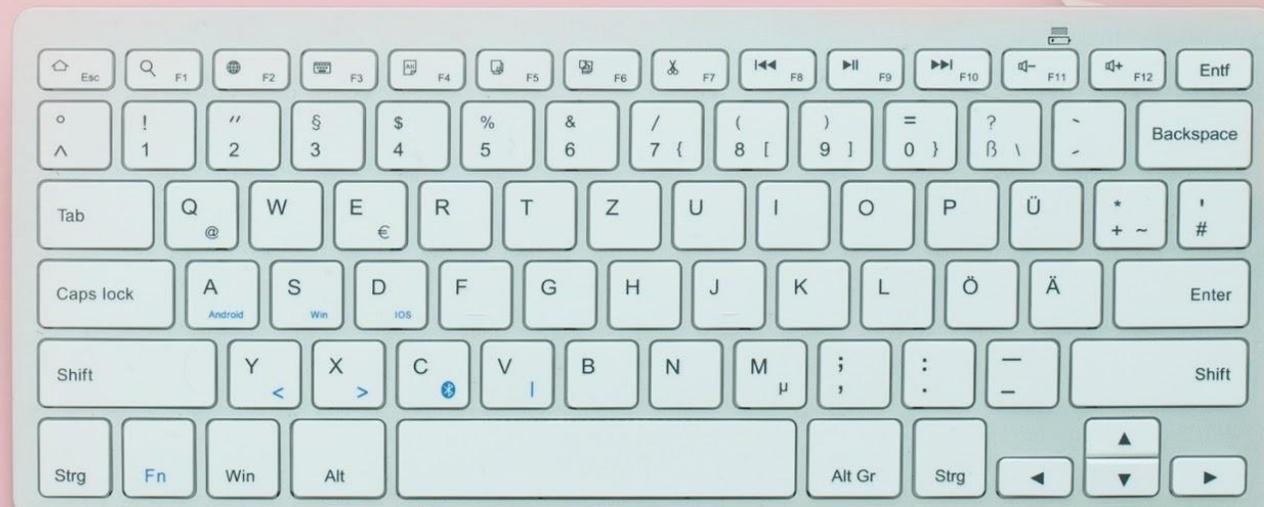
RG.RU Российская Газета ©



ИДЕЯ?

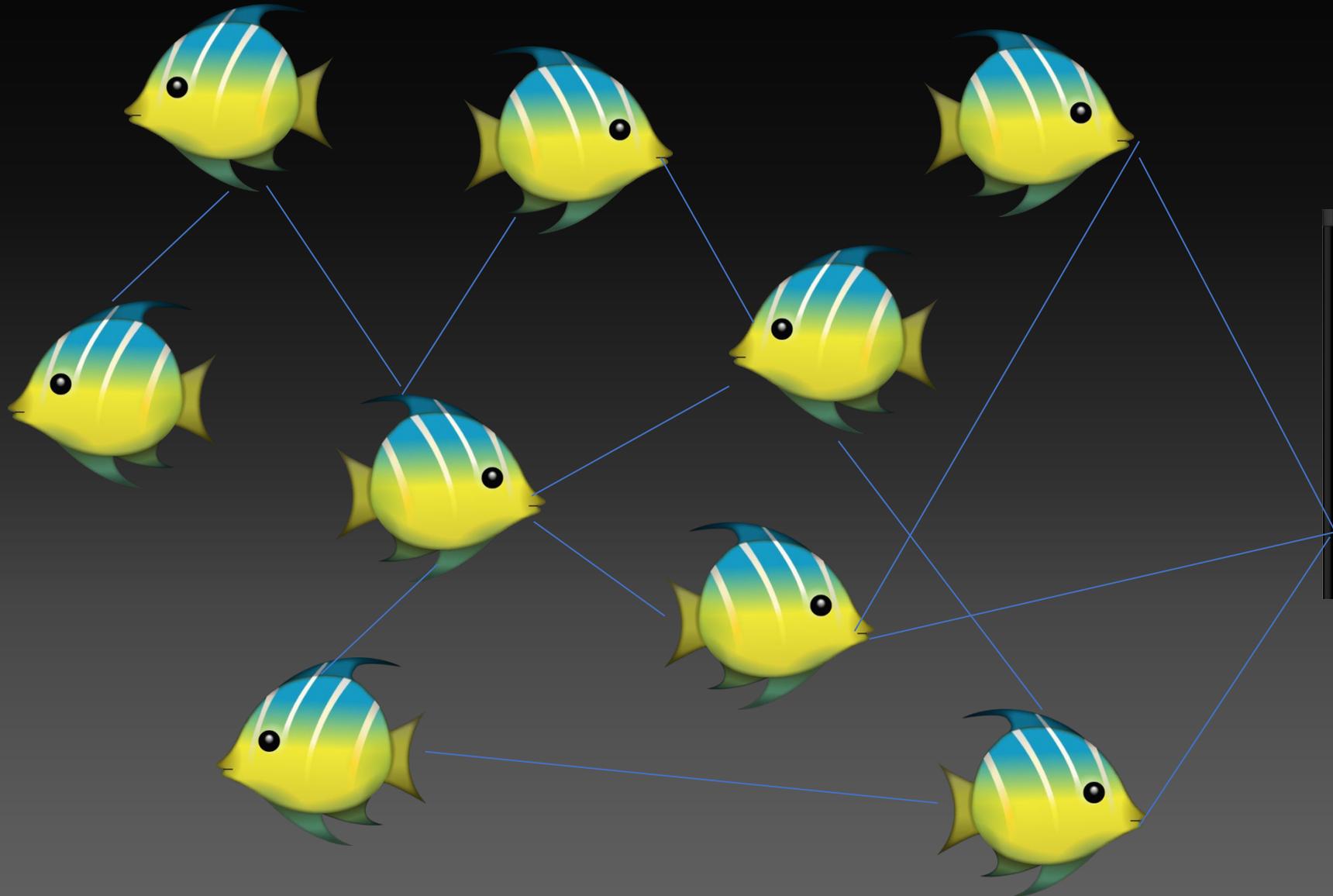


ЧТО ЖЕ НА ДЕЛЕ

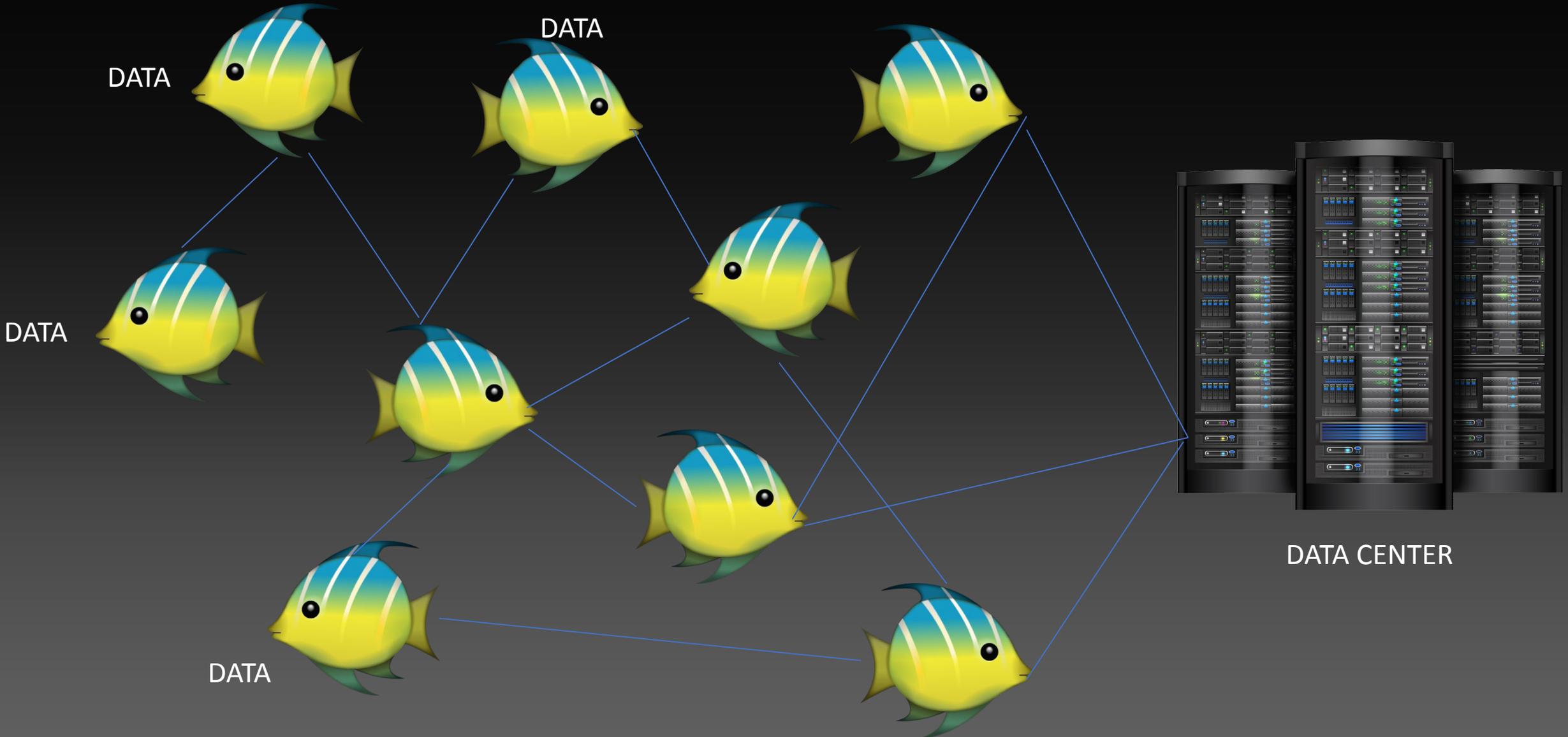


1000 РЫБ

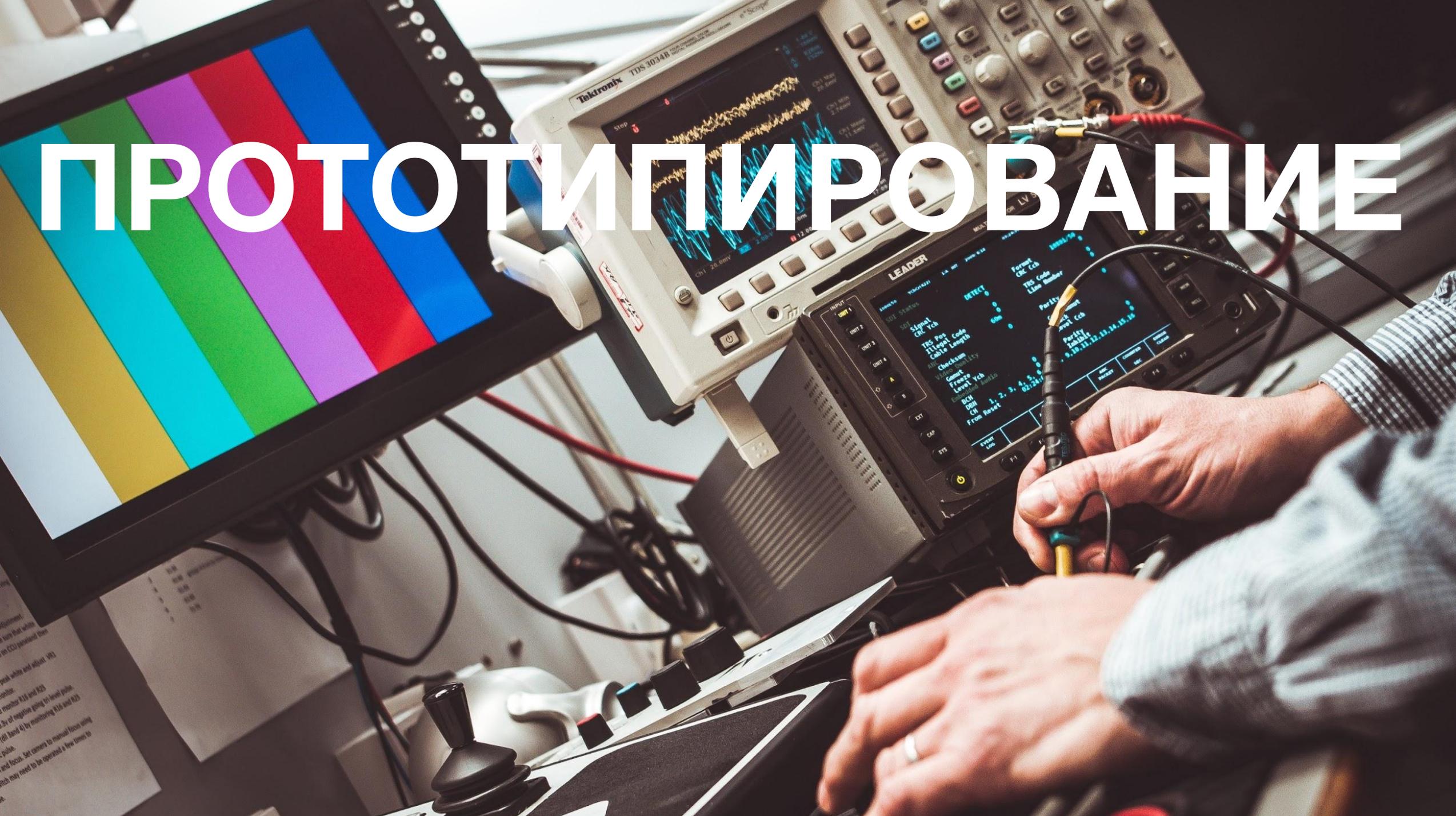
1 ОЗЕРО

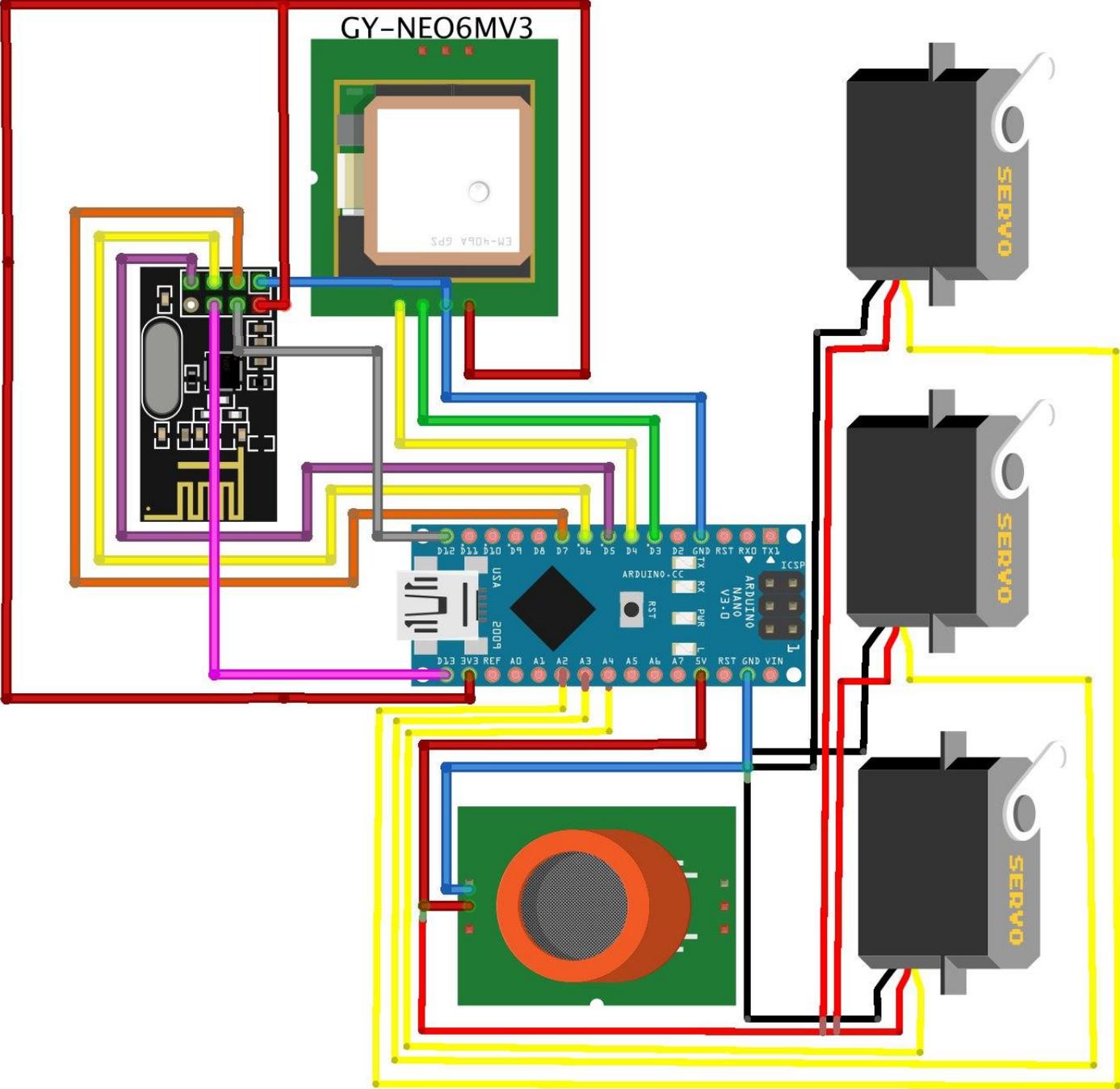


DATA CENTER

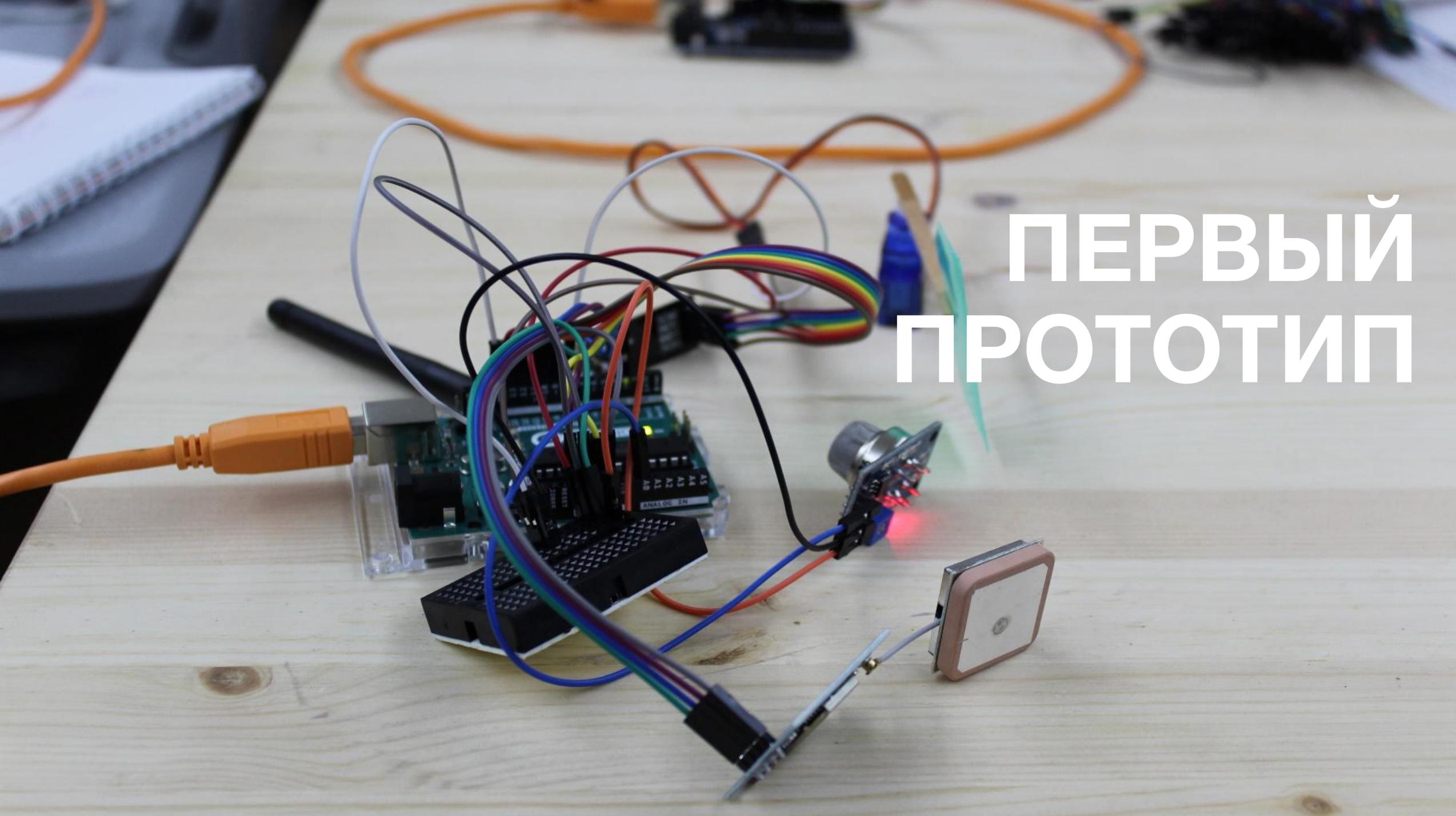


ПРОТОТИПИРОВАНИЕ

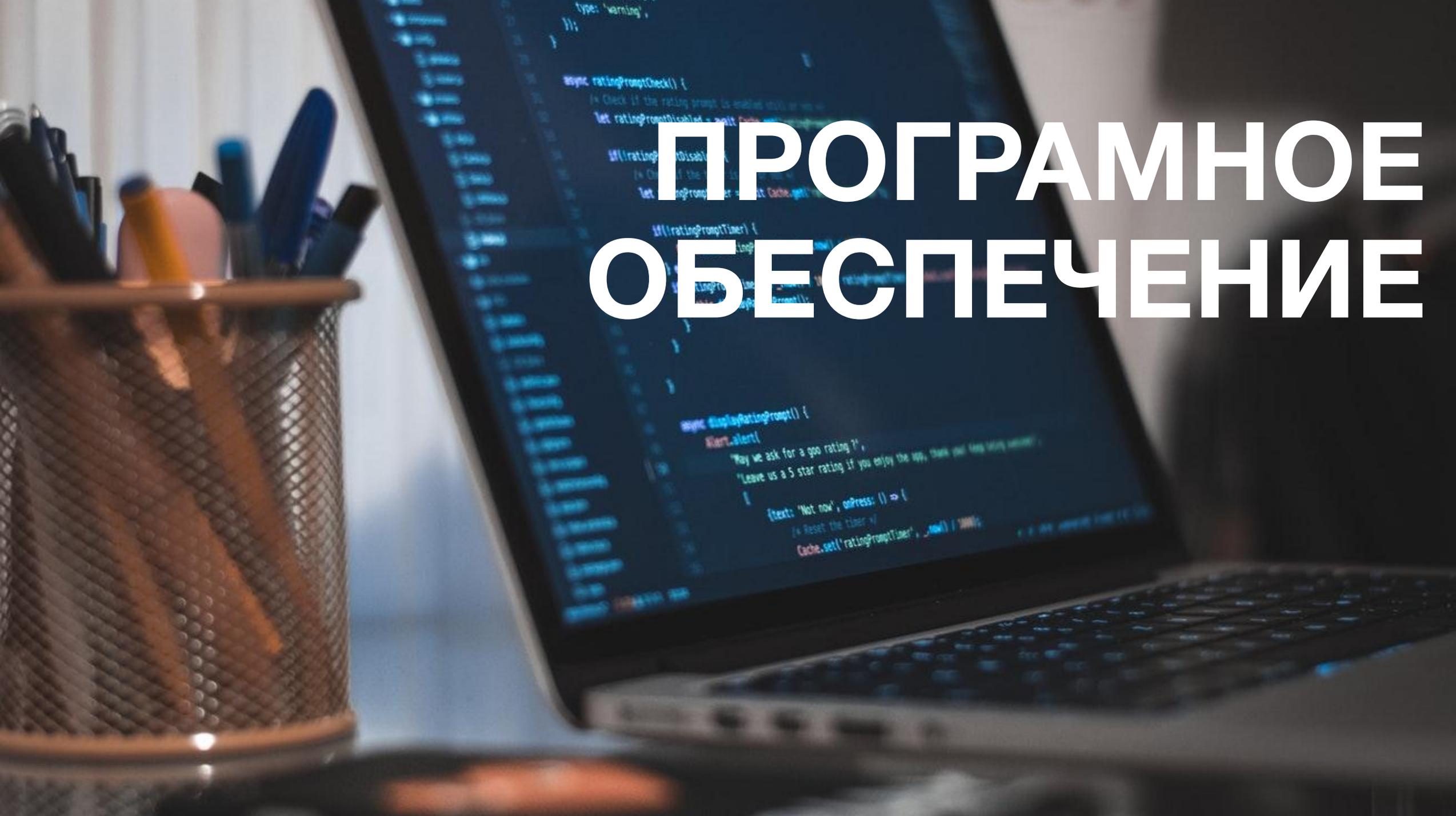




ПЕРВЫЙ ПРОТОТИП



ПРОГРАММНОЕ ОБЕСПЕЧЕНИЕ



```
FullExample | Arduino 1.8.5
FullExample §

void loop()
{
  static const double LONDON_LAT = 51.508131, LONDON_LON = -0.128002;

  printInt(gps.satellites.value(), gps.satellites.isValid(), 5);
  printFloat(gps.hdop.hdop(), gps.hdop.isValid(), 6, 1);
  printFloat(gps.location.lat(), gps.location.isValid(), 11, 6);
  printFloat(gps.location.lng(), gps.location.isValid(), 12, 6);
  printInt(gps.location.age(), gps.location.isValid(), 5);
  printDateTime(gps.date, gps.time);
  printFloat(gps.altitude.meters(), gps.altitude.isValid(), 7, 2);
  printFloat(gps.course.deg(), gps.course.isValid(), 7, 2);
  printFloat(gps.speed.kmph(), gps.speed.isValid(), 6, 2);
  printStr(gps.course.isValid() ? TinyGPSPlus::cardinal(gps.course.deg())

  unsigned long distanceKmToLondon =
    (unsigned long)TinyGPSPlus::distanceBetween(
      gps.location.lat(),
      gps.location.lng(),
      LONDON_LAT,
      LONDON_LON) / 1000;
  printInt(distanceKmToLondon, gps.location.isValid(), 9);

  double courseToLondon =
    TinyGPSPlus::courseTo(
      gps.location.lat(),
      gps.location.lng(),
      LONDON_LAT,
      LONDON_LON);

  printFloat(courseToLondon, gps.location.isValid(), 7, 2);
```



Arduino IDE

The image shows the interior of a space station, looking out through several large, irregularly shaped windows. The view outside is a vast, blue and white Earth with swirling clouds. In the upper left window, another satellite or space station module is visible in orbit. The interior of the station is dark, with some equipment and panels visible around the windows. The overall atmosphere is one of a high-tech, futuristic environment.

СФЕРА ПРИМЕНЕНИЯ

A man in a dark blue suit and red patterned tie is seated at a desk. He is gesturing with his right hand, palm up, while his left hand rests on the desk. In front of him is a laptop, a glass of water, and several documents with charts and graphs. The word "ЭКОНОМИКА" is overlaid in large white letters across the center of the image.

ЭКОНОМИКА

ВСЕМ СПАСИБО