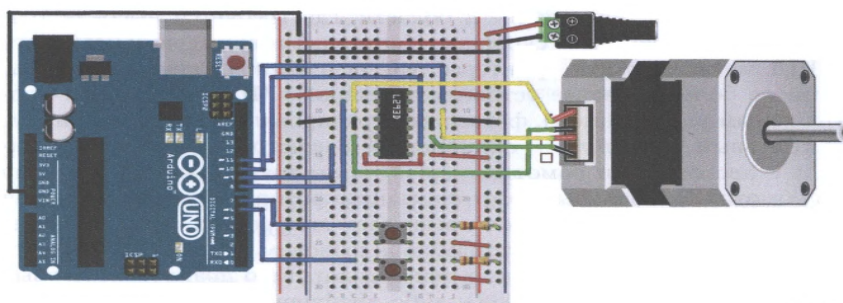


19.1 chizma. L293 dvigatellar drayveri.

Arduinoga qadam dvigateli ulanadi va tugmalar yordamida qadam dvigatelini turli tarafga harakat yo‘nalishi beriladi.

Ushbu amaliy ish uchun ulanish sxemasi 19.2 chizmada ko‘rsatilgan.



19.2 chizma. Qadam dvigateli va Arduinoni ulanish sxemasi.

Tugmalar yordamida qadam dvigatelining burilishini boshqarish sketchi yoziladi. Birinchi tugma bosilganda qadam dvigateli soat strelkasining harakati bo‘yicha 200 qadam harakatlanadi, boshqa tugma bosilganda esa qadam dvigateli soat streklkasi harakatiga teskari yo‘nalishda 200 qadam harakatlanadi. Sketchni yozishda Arduinoning Stepper kutubxonasi ishlatiladi. Sketch 19.1 listingda ko‘rsatilgan.

19.1 listing

```
#include <Stepper.h>
#define STEPS 200 // Qadamlar soni
Stepper stepper (STEPS, 8, 9, 10, 11);
// klavishlar
int pinButtons1[]={6/7};
int lastButtons1[]={0,0};
int currentButtons1[]={0,0};
int countButtons1=2;
void setup()
```