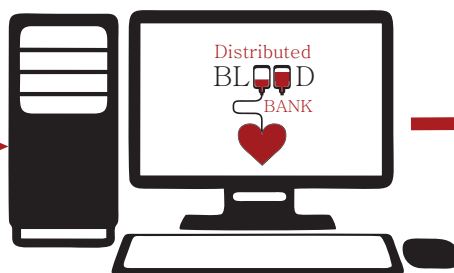
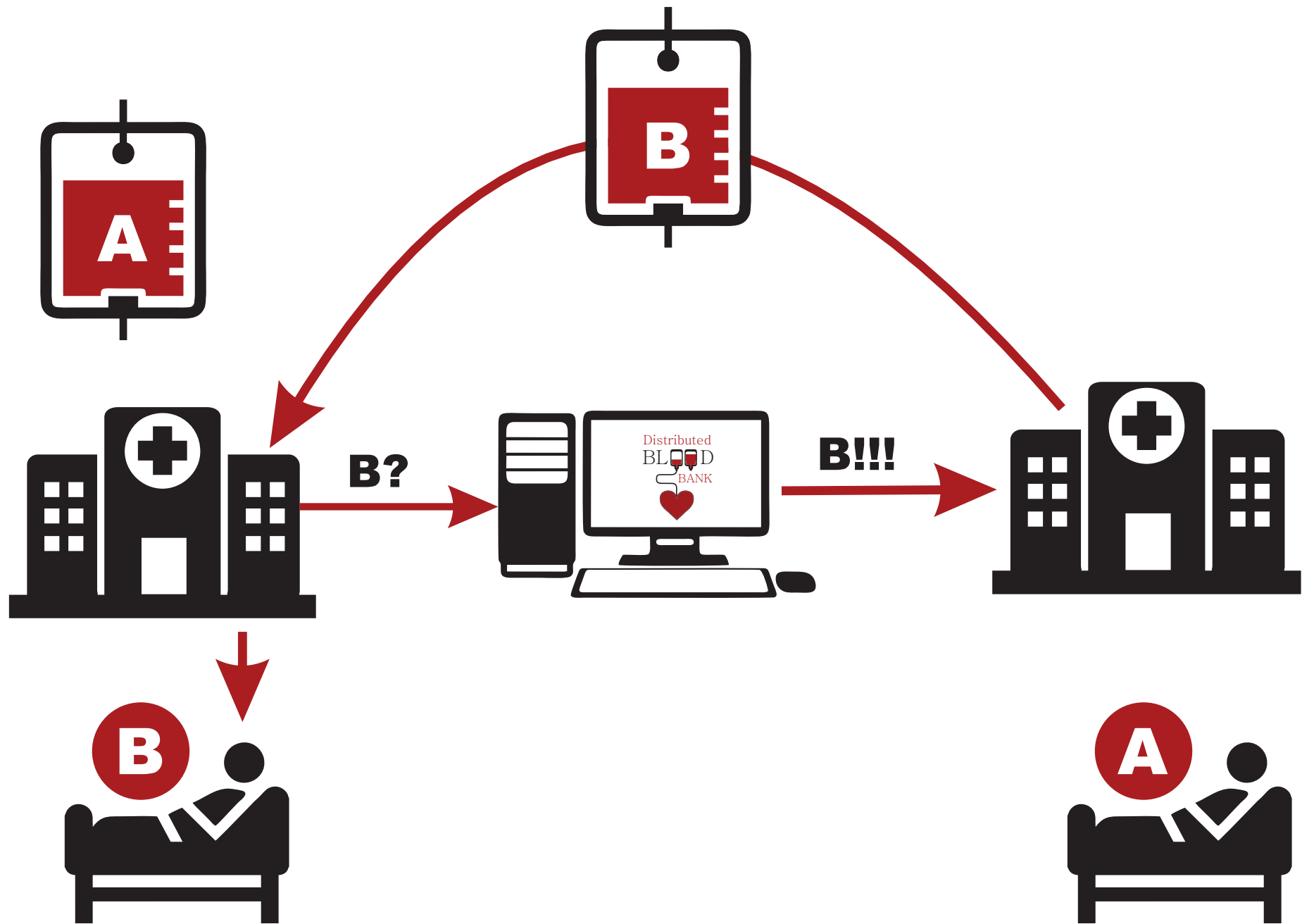


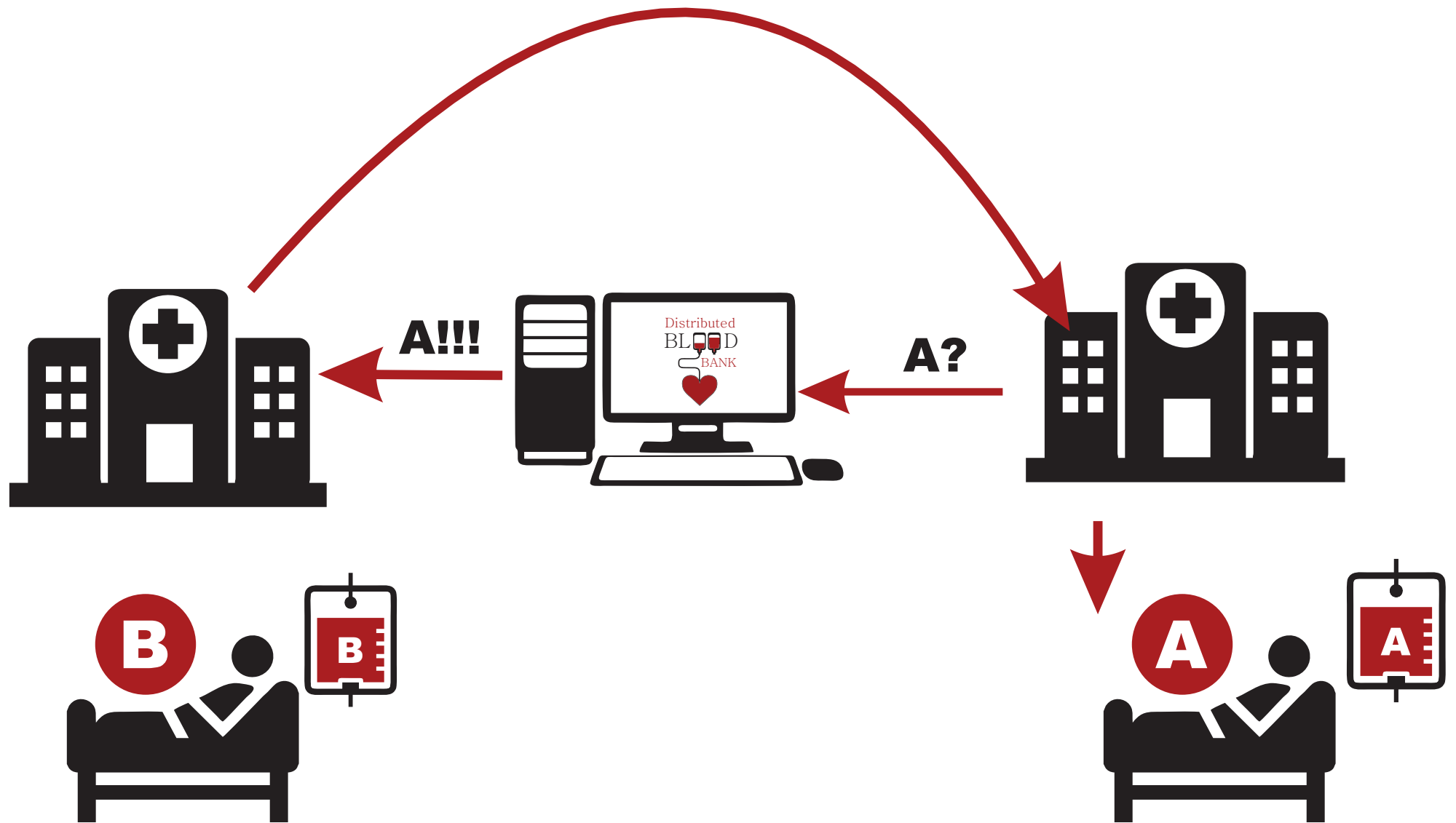
B?



B!!!







```
import Pyro4
from bloodbag import BloodBag

class BloodBank(object):
    def __init__(self):
        self.storage = []

    def list_storage(self):
        for bag in self.storage:
            return bag.__dict__

    def retrieve(self, doctorname, bagid, patient):
        for bag in self.storage:
            if bag.bagid == bagid:
                self.storage.remove(bag)

        print('{0} retrieved a blood bag for {1}'.format(doctorname, patient))

    def store(self, bagid, bloodtype, donor, collectiondate, expirydate, address):
        bag = BloodBag(bagid, bloodtype, donor, collectiondate, expirydate, address)
        self.storage.append(bag)
```

```
def main():  
    bloodbank = BloodBank()  
    Pyro4.Daemon.serveSimple({bloodbank: "bloodbank"}, ns=True)  
  
if __name__ == "__main__":  
    main()
```

```
class BloodBag(object):  
    def __init__(self, bagid, bloodtype, donor, collectiondate, expirydate, address):  
        self.bagid = bagid  
        self.type = bloodtype  
        self.donor = donor  
        self.collectiondate = collectiondate  
        self.expirydate = expirydate  
        self.address = address
```

```
class Doctor(object):  
    def __init__(self, name, speciality, hospital):  
        self.name = name  
        self.speciality = speciality  
        self.hospital = hospital  
  
    def retrieve_bloodbag(self, person, bloodbank):  
        bag = bloodbank.list_storage()  
        if bag['type'] == person.bloodtype:  
            bloodbank.retrieve(self.name, bag['bagid'], person.name)  
        else:  
            print('No {0} blood bags in storage'.format(person.bloodtype))
```

```
class Person(object):  
    def __init__(self, name, bloodtype, phonenumber, address):  
        self.name = name  
        self.bloodtype = bloodtype  
        self.phonenumber = phonenumber  
        self.address = address  
  
    def donate(self, bloodbank):  
        cdate = datetime.datetime.now()  
        edate = cdate + datetime.timedelta(days=42)  
  
        bloodbank.store(1, self.bloodtype, self.name, cdate, edate, self.address)  
        print('Thank you for donating')
```
