ALICE IN THE WONDERLAND OF REAL-TIME SIMULATION

SORRY SWEETIE, NOBEL CAN'T TAKE THE PLANE WITH US.

HE'S TOO SMALL, HE'LL HAVE TO STAY HOME.

BESIDES, WE'RE ONLY GOING AWAY FOR A WEEK.

DON'T WORRY, AUNT GISI WILL TAKE GOOD CARE OF HIM.

BUT SHE HATES DOGS!!

I'VE GOTTEN IT!

LET'S SEE...

A POWER GRID, A TABLET TO SAY HI REMOTELY.

A MECHANICAL ARM TO PET YOU.

A NIGHT LIGHT, AND AUTOMATIC WATER AND FOOD BOWLS.

VOILA! THE MULTI-FUNCTION SMART DOG HOUSE!

I CAN'T AFFORD TO MAKE A MISTAKE, BUT I DON'T HAVE THE TIME OR THE MONEY TO TEST MY IDEA IN THE REAL WORLD.

HMM, BUT IF I PUT ALL THIS TOGETHER, WILL EVERYTHING BLOW UP?

POOR NOBEL, WHAT WILL YOU DO WITHOUT US?

NO TV, NO KIDS, AND AUNT GISI WON'T REMEMBER TO FEED YOU...

I HAVE TO FIND A SOLUTION FOR YOU.

HEE, COME SEE MY NEW OPAL-RT SIMULATOR THAT I BROUGHT FROM THE OFFICE, THE OP4500

THAT'S IT! I'LL BE ABLE TO DO IT WITH DAD'S MAGICAL BOX!
Now that I think of it, I should test my invention before leaving on vacation.

But that doesn’t leave much time... and what if I fail?

Too small and it’ll break. Too big and it won’t turn. How do I choose, and not get it wrong?

Oh well! I’m just going to go for it!

Is there a way to test my invention to see how it will fare during bad weather with so little time left before I leave?

BOOM! PRING!

NOBEL, NO!

Kiaiii!
DO YOU STILL HAVE THAT MAGIC BOX THAT MY DAD LOANED YOU?

COOL! WE'RE GOING TO HAVE FUN WITH AN OPASIO

FIRST, LET'S CHECK ON EMAGAZINE STORE AND SEE WHAT EQUIPMENT YOU NEED FOR YOUR SMART DOGHOUSE.

LET'S INPUT THESE CHOICES INTO THE OPASIO AND SEE WHAT HAPPENS.

THE SIMULATOR HAS TO RUN A MODEL OF EACH PIECE OF EQUIPMENT TO TEST THEIR SPECIFICATIONS...

...AND IT SHOULD BE DONE THE FIRST SERIES OF TESTS IN A FEW MINUTES...

YOU HAVEN'T SEEN ANYTHING YET, NOW, THE SIMULATOR IS GOING TO ADJUST THOUSANDS OF PARAMETERS TO SIMULATE THEM ALL AT ONCE.

WELL, THAT WASN'T SO HARD AFTER ALL.

THREE DAYS LATER...

EVERYTHING WORKS, ALL THAT'S LEFT IS TO ORDER THE RIGHT MODELS...

COOL!

HMM, I WONDER WHAT THEY'RE MAKING NOW?

WAIT! WHAT ARE YOU PLUGGING IN?
It’s Nobel’s smart doghouse, Dad!

Yes, I understand but first...

It’s important to follow the steps for any project, kids. First, identify your needs, then write a list of your requirements so you can check them at the end of the project, then...

Bla bla bla bla...

See? When you connect everything at once, the opaslo indicates a problem...

Uh, no! Nobel unplugged a cable, that’s all. See?

Something’s not working

Everything is plugged in!

Eureka! Everything works!

A couple days later...

Look at that showoff, where did he get that thing?

Emagazine store!

Hi Nobel, we’ve arrived at our destination... and I see you’re enjoying your vacation too!