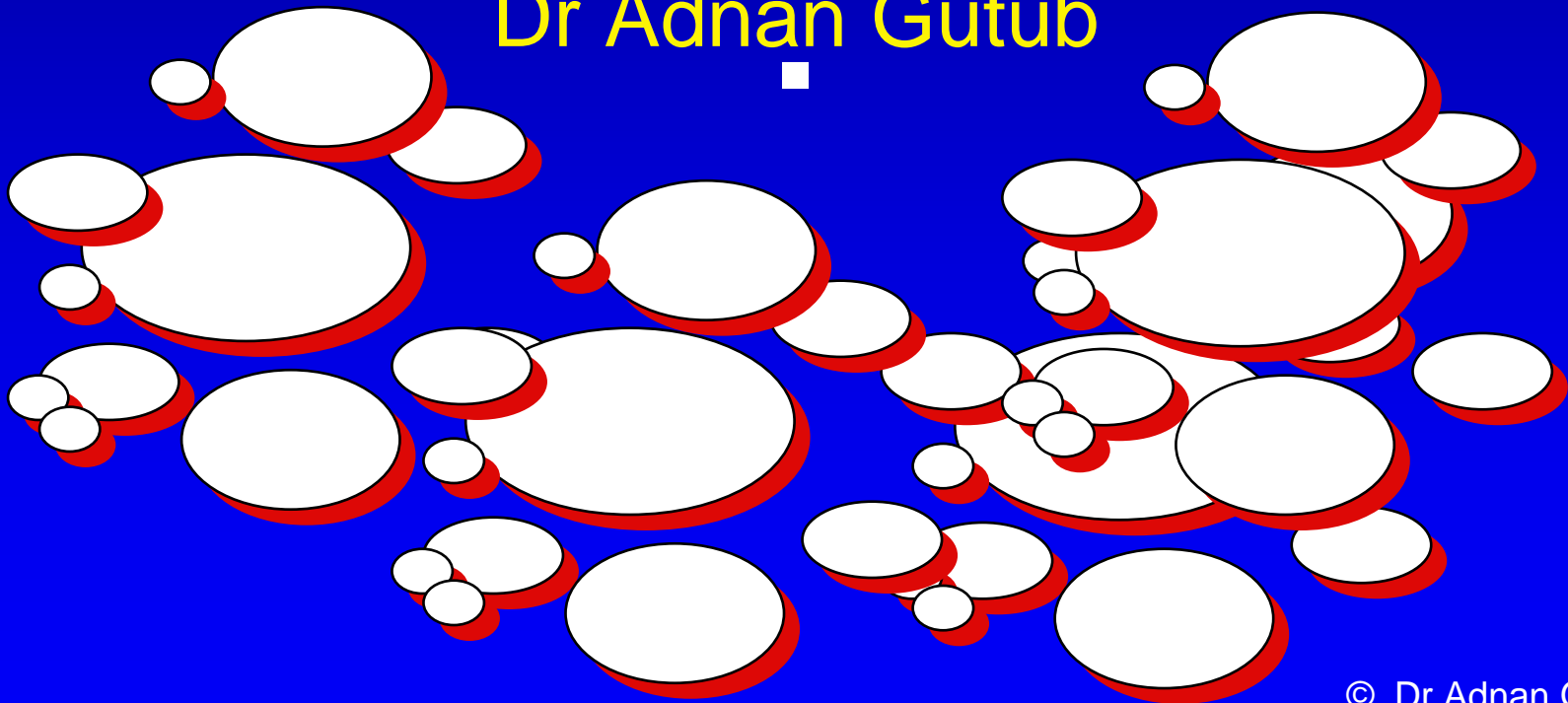


# Ethics

Dr Adnan Gutub

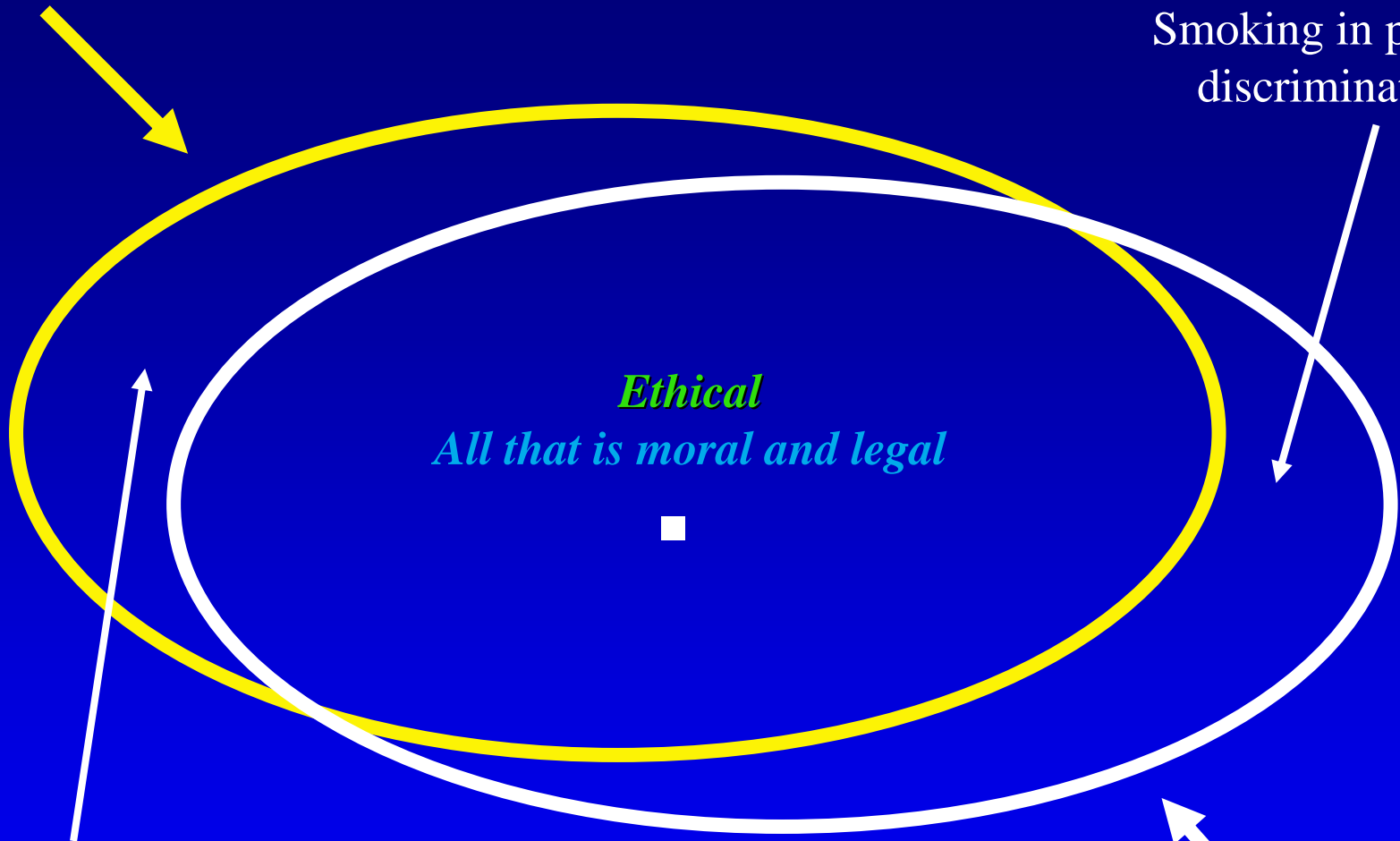


# Outline

- What are Ethics?
- Protection of Rights
- Professional Ethics & Computer Ethics
- Moral & Ethical Problem
- Ethical Guidelines & Framework
- Conclusion

*Everything that is moral*

Legal but immoral:  
Smoking in public  
discrimination



Moral but illegal:  
Exceeding Speed limit

*Everything that is legal*

# What are Ethics?

- System of legal morals
- Moral
  - capable to distinguish between right and wrong
- 
- A system that guides towards actions good for all

# You can't teach me ethics!

I learned all my values .....on my mother's knee  
.....in kindergarten  
.....from religion

You can move from  
lower to higher levels  
of moral reasoning



"eating ham is wrong"  
- moral principles

"my friends won't like me"  
- peer pressure

"daddy says it is wrong"  
- fear of punishment

# *Honesty: Ali Dinner Story*

- Ali, an old friend,
- calls you on the phone to say that he is in town.
- staying at the Holiday Inn for a night while on a business trip for Aramco, his employer company.
- Ali asks if you would like to get together and talk over old times.
- You meet in the hotel lobby, and later decide to eat together in the hotel restaurant.
- When the bill comes you offer to pay your share, but Ali says no, he can charge the meal to his room.
- Aramco will pay, he says.
- Ali will pretend you were a business client.

# *Ali later contacts you.....*

- 1 to ask if you will give him a reference for a job
- 2 to ask for a reference for a job as a financial controller where he will be handling a lot of cash
- 3 to apply for a job as the financial controller of the company that you own

# *Are Human Rights Protected?*

## Basic Rights





# *Are Human Rights Protected?*

## Basic Rights



# Are Other Rights Protected?

- Future Generations
- Different Cultures
- Animals
- Plants
- The Earth

# Professional Ethics

employer

clients

society

*Which comes first?*

*Which has priority?*

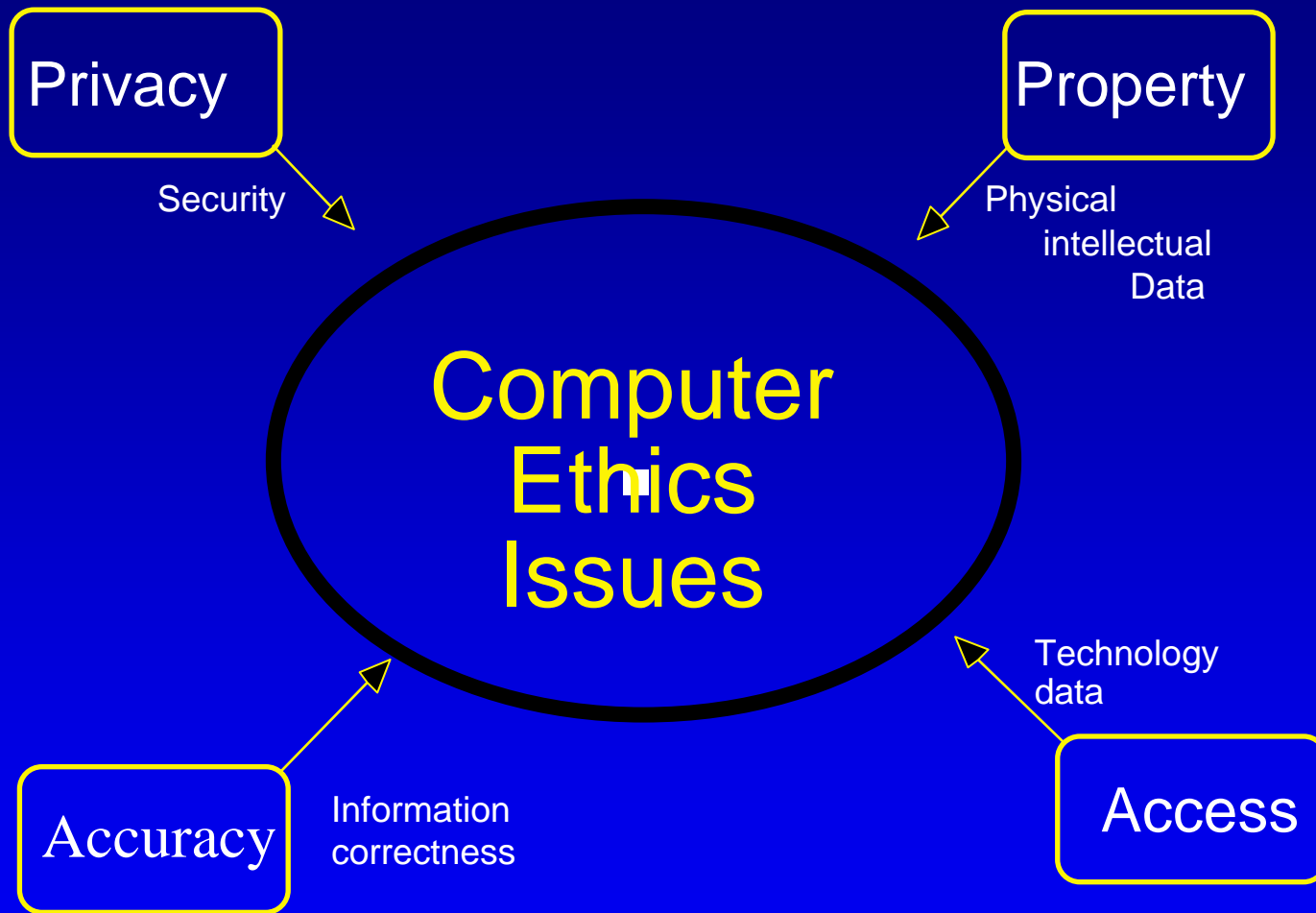
*What happens when you cannot satisfy these different constituencies?*

Other  
professionals

profession  
Specialization details

# Computing Professional (IEEE & ACM)

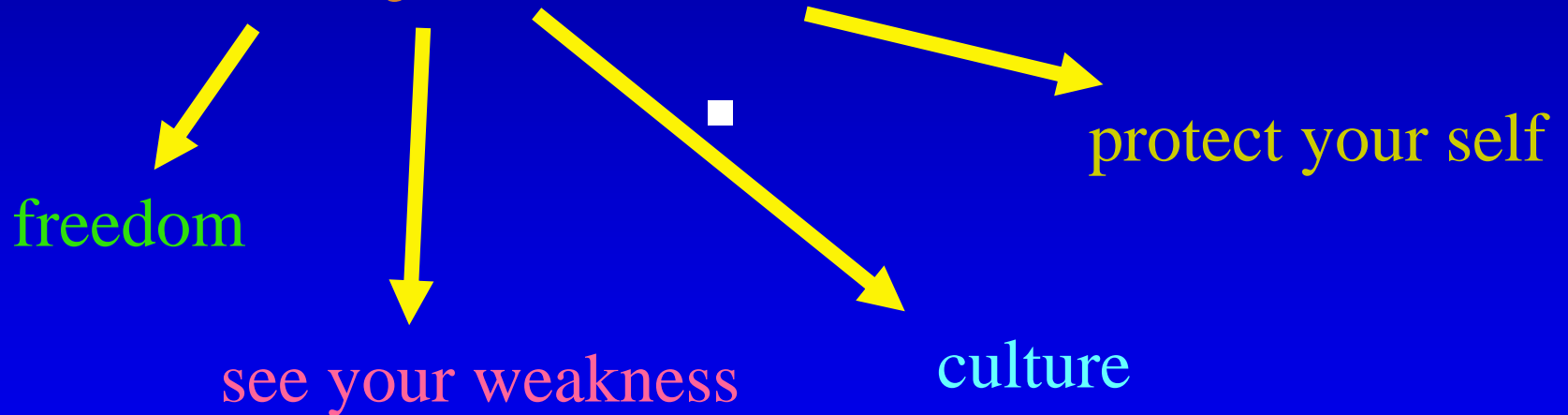
- Accept responsibility in making decisions consistent with safety, health, and welfare of public
- Avoid conflicts of interest
- Be honest and realistic in stating claims or estimates
- Improve understanding of technology
- Take task qualified only
- Offer, accept, and seek honest criticism of technical work. and avoid harming
- Acknowledge and correct errors
- Credit properly others contributions
- Be fair with all persons



# Moral & Ethical Problems

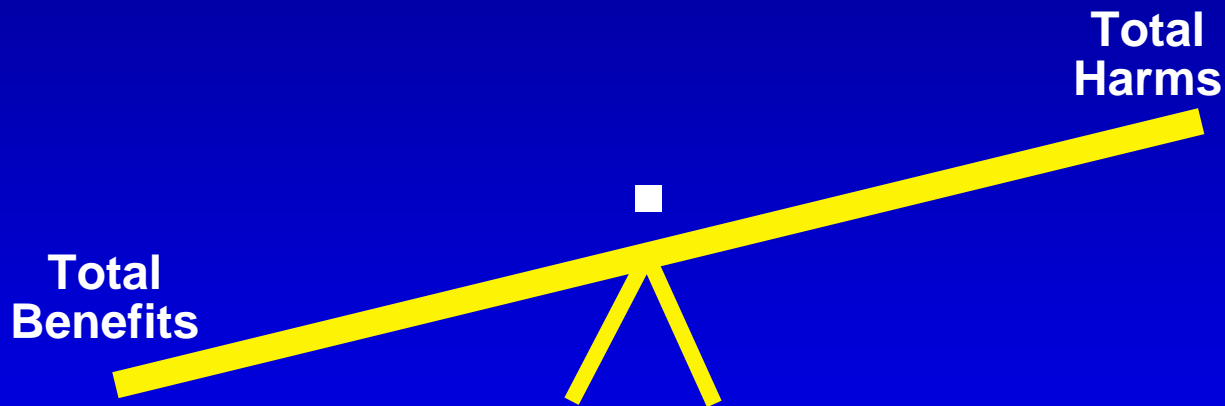
Hacking, cracking, and viruses

Can it be justified??



Software Piracy

# Analysis



Do the benefits exceed the harms?  
At the end-point, what is the balance?

# *Computing Ethics Guidelines*

Respect privacy of others and do not share your account.

Respect copyrights and laws.



Obey network guidelines in any system.

Do not use facilities for unauthorized purposes.

Do not use resources for personal commercial issues.



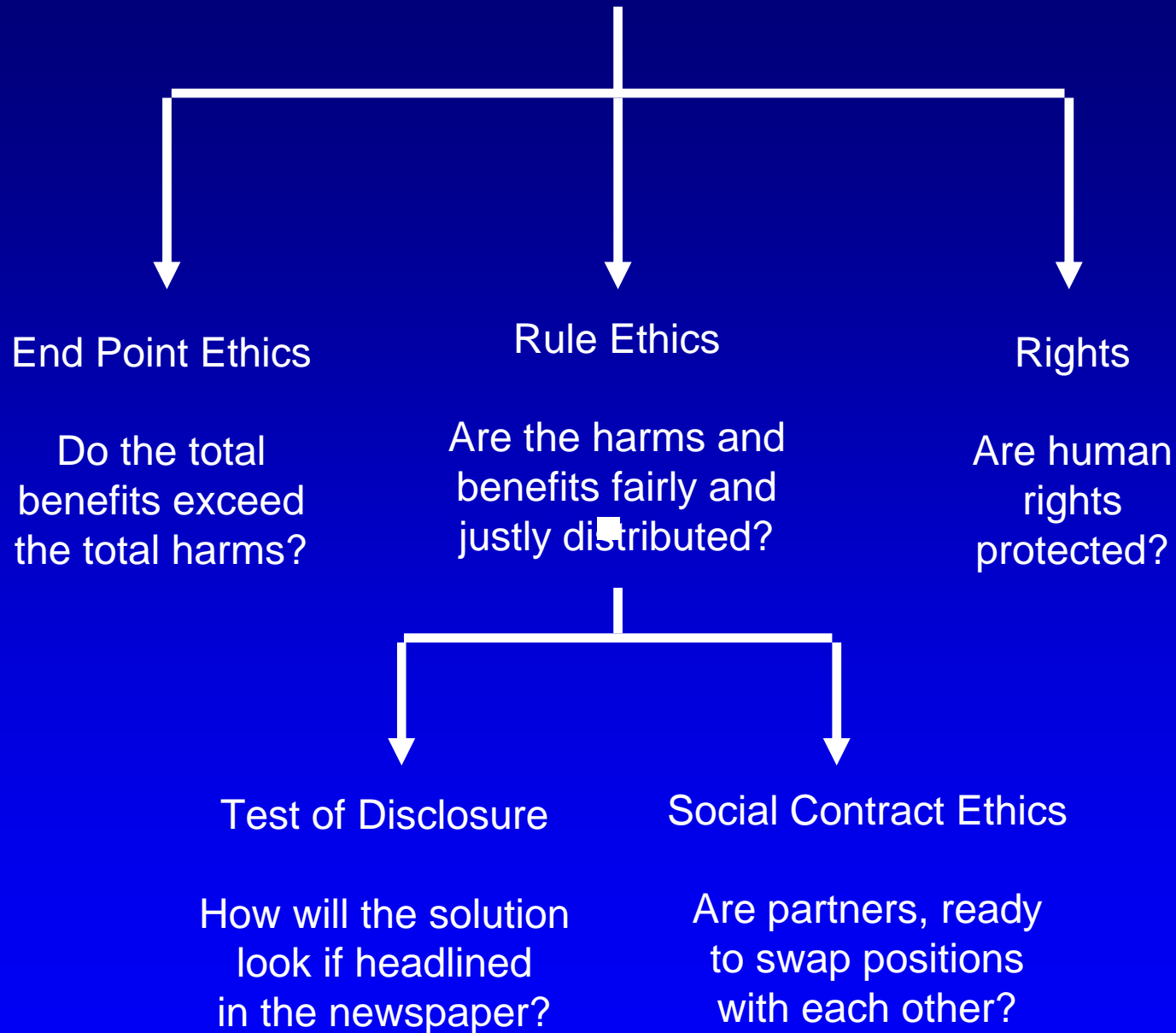
# A Framework for Ethical Analysis

Who are affected?



What are the outcomes  
of the proposed solution to the problem?





# Ethics Examples

- Administrator Delimma
- Software Licensing: ■ Stuck in middle
- Conflicts:
- with your boss to tag a price.

# *Conclusions*

Understand culture, social, legal issues related to computing.

Expect different ethical difficulties.

Hold to highest possible ethical standards.

Use your internal ethical sense. ■

Wrong ethical choices begins with short-term self-interest.

Trust ethics from life experience.

Be patient, living ethically need strong sincere motivation.