

Peer-tutoring for informal learning in ad hoc, transient communities

**Peter Sloep
SSeLF-Edinburgh, Sept. 4 2006**

Programme

— [Set the stage with respect to today's theme - 10 min

— [Social software for informal learning - 20 min

— [Discussion in Groups, Conclusions - 30 min

— [Break - 15 min

— [Social Software for Peer Tutoring - 15 min

— [Plenary Discussion - 15 min

SSeLF's key words for today

E-learning

- definition: 'web-technology enhanced learning'
- technology is no mere instrument, neutral with respect to its context of use
- technology cannot be used or ignored at will
- technology influences context of use, the user's views, the problem space
- technology becomes a cultural force itself

Informal Learning

- [Formal learning

- by accredited institution, often curriculum and cohort based

- [Non-formal learning

- not by accredited institution

- [Informal learning

- no curriculum, no cohorts, individual education shopper

Social Learning

— [Computer Supported Collaborative Learning is excluded

— relative small groups, subgroups of cohort, assembled by teacher, required to complete assignment set by teacher

— [My setting is a 'Learning Network'

— relatively large group of informal learners, varying interaction intensities over time and group space, formation of ad hoc, transient communities

Social software: definitions, examples, principles

Definitions

Definitions (history)

— [Social software is (Tom Coates, plasticbag.org, May 8th, 2003)

— a tool for augmenting human social and collaborative abilities

— a medium for facilitating social connection and information interchange

— an ecology for enabling a system of people, practices, values, and technologies in a particular local environment

My working definition

— [(educational) social software is all software that facilitates the development and maintenance of social structures in online (learning) communities

Examples

— [instant messaging (ICQ, AIM, MSN, Skype)

— [forums

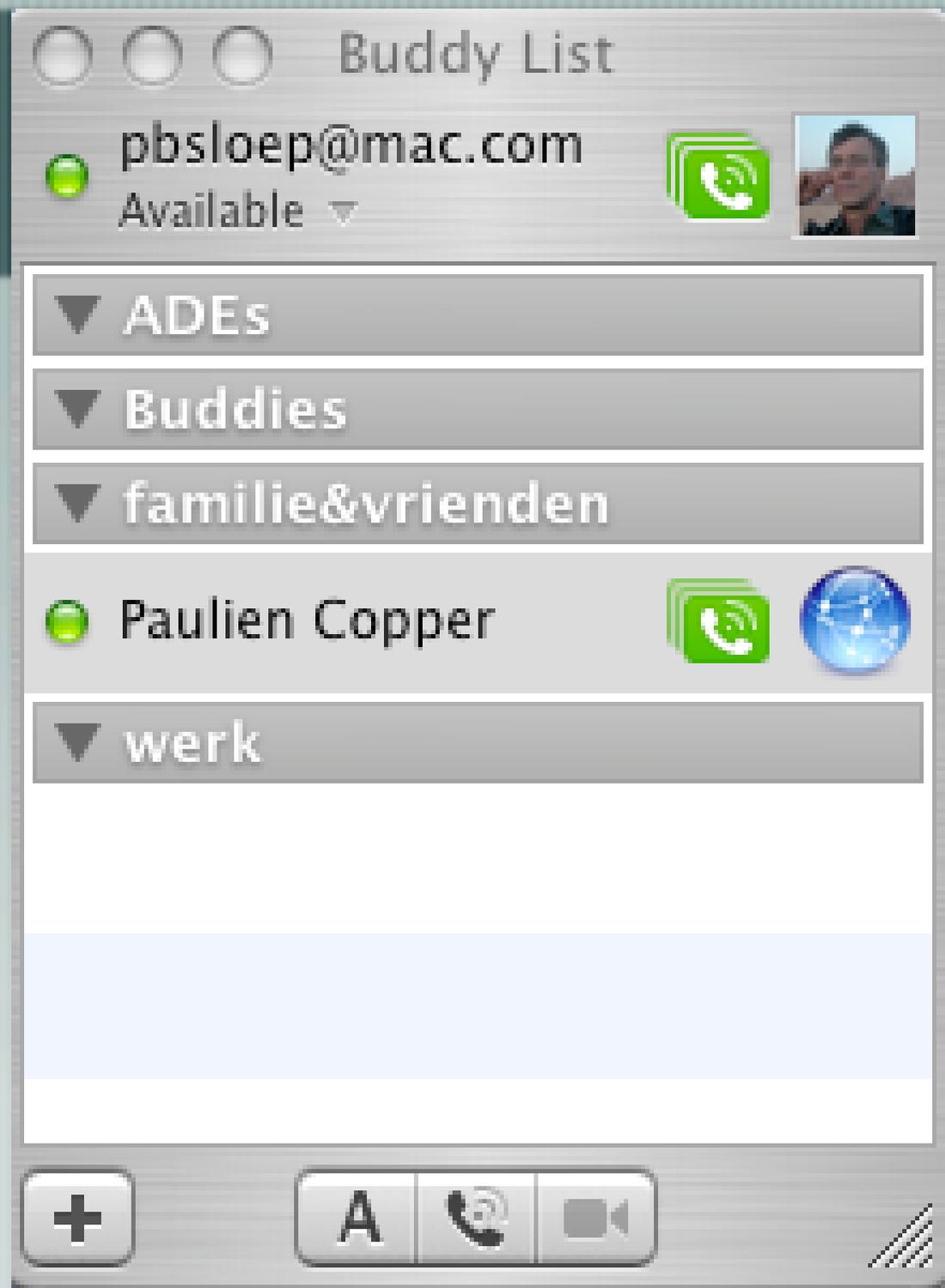
— [blogs (podcasts, vlogs)

— [wikis, collaborative editing

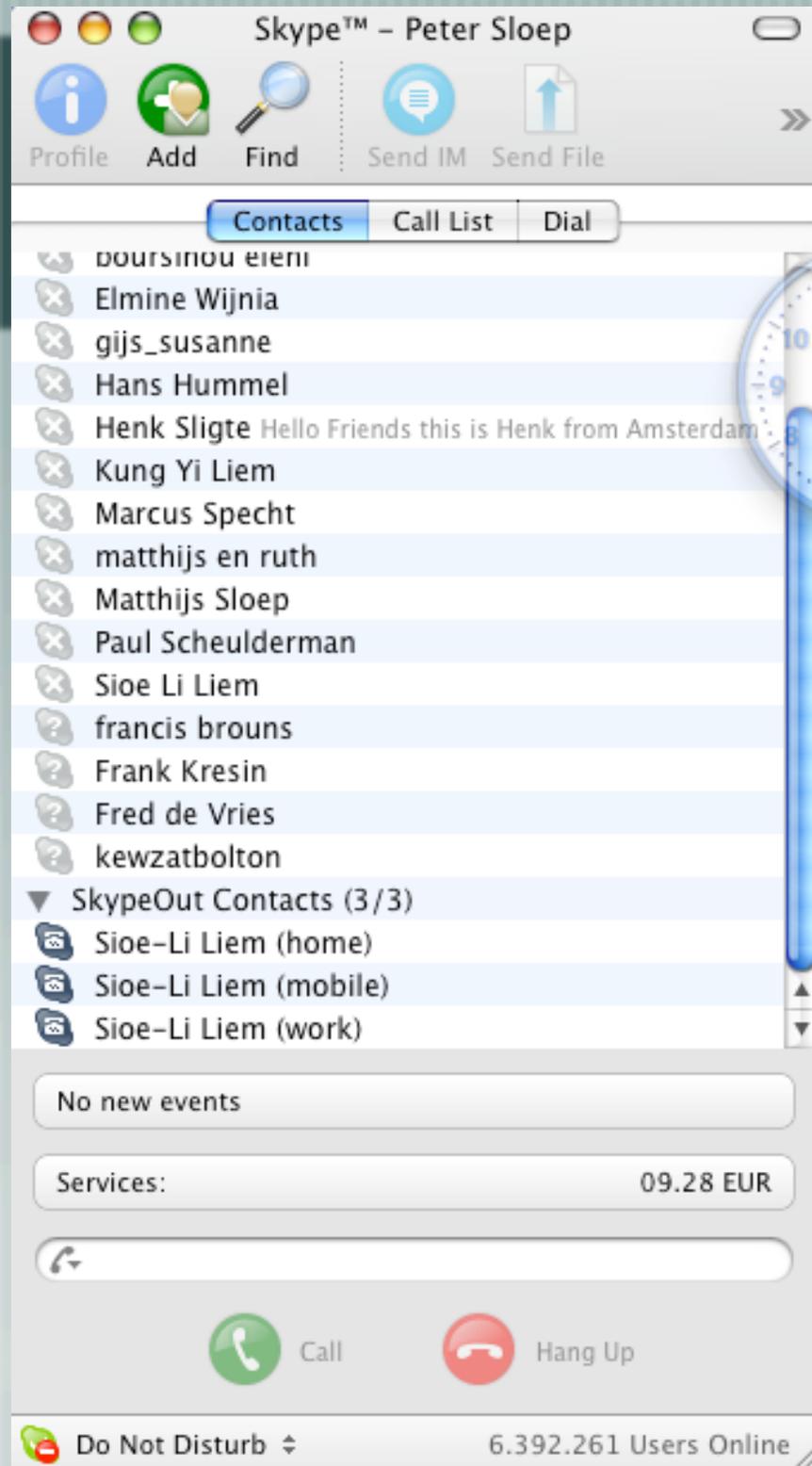
— [social bookmarking (del.icio.us, furl)

— [virtual worlds

IM: iChat



Skype



Lift aangeboden naar West-Alpen op 4/8 of 5/8 Today, 04:56 PM

Ik rijd op vrijdagavond 4 augustus of zaterdagochtend 5 augustus vanuit Voorschoten naar de West-... [Read more...](#)

dom 4545 (mischabelgrüppe) Today, 04:56 PM

zelfde route die wij dus ook in gedachten hebben... [Read more...](#)

gebruik van diamox Today, 04:56 PM

Acetozolamide (Diamox) is een medicijn dat gebruikt kan worden ter preventie en behandeling van h... [Read more...](#)

dom 4545 (mischabelgrüppe) Today, 02:58 PM

Ik heb hem jaren geleden gedaan, maar vanuit de hut, via de Festjoch dan wel over de gletsjer, goed... [Read more...](#)

tour du Combin / st. Bernard Today, 02:58 PM

Hoi Corry en Crhristiaan,Dank je wel voor jullie snelle reactie.Een bezoekje aan de ... [Read more...](#)

dom 4545 (mischabelgrüppe) Today, 01:59 PM

Bedankt voor de tip!dat komt dan dus neer op 2050 meter... Best veel eigenlijk :-(M... [Read more...](#)

dom 4545 (mischabelgrüppe) Today, 01:59 PM

Hallo Robie,Nog één waarschuwing voor je gaat;Je zegt dat je vrouw we... [Read more...](#)

Wie gaat er mee naar Bleau? Today, 01:59 PM

Hoi klimmers en boulderaars!Wij, Fem, Julio en Wieke willen vanaf 15 juli gaan boulderen i... [Read more...](#)

CWIS-NL (2) Sybilla Sunday, 11:56 PM

Door een grote treinstoring romdom Utrecht, was afgelopen woensdag niet alleen de helft van de deelnemers aan de [CWIS-NL bijeenkomst](#) gestrand, maar ook de eerste twee geplande sprekers. Elise Roden van [SURFnet](#) overbrugde de wachttijd heel professioneel door ons de [SURFnet Detective](#) te laten zien, een handige kleine tool waarmee je (de kwaliteit van) individuele netwerkverbindingen kunt testen.

Over de eerste 'echte' spreker kan ik kort zijn. Jo Lahaye, o.a. directeur van [Stichting MMBase](#) (Open Source Content Management Systeem voor organisaties), is een gladde prater die in alles op een vertegenwoordiger lijkt. Ook hier one-liners, af en toe van het tenenkrommende soort zoals "klant is koning en student is klant" en "techniek die luistert, anywhere, anytime". Je verwacht haast een Philips-logo in beeld te krijgen. De titel van zijn lezing "Web 2.0 en easy living" dekte de lading overigens geenszins, Lahaye sprak vooral over zijn stokpaardje OSS. Dat 'easy living' kwam wel aan bod toen we een toekomstdoorkijkje kregen met de denkende koelkast die alvast bestelt wat je zojuist hebt opgemaakt, ware het niet dat we dat al jaren eerder hebben gehoord.

Het mees interessant vond ik aan het einde zijn les aan ons aanwezigen: "Wat betekent het voor mijn kinderen dat jullie nu alles in Blackboard opslaan?"

[Read more...](#)

VGI-studiemiddag Sybilla Saturday, 12:01 AM

Vanmiddag 'even' naar Den Haag geweest om in de aula van de KB een presentatie over folksonomy en social bookmarking te geven tijdens een [studiedag van de Vereniging voor Geschiedenis en Informatica](#) met als thema 'Toepassingen van nieuwe technologie binnen onderwijs en cultuur'.

Dat was dus 12.16 de trein, 15.00 in de KB, 17.50 de trein terug en 20.16 weer in Sittard. Maar al met al de moeite meer dan waard, zeker gezien de grote belangstelling ná afloop. Ik heb nog nooit mensen in de rij zien staan voor mijn visitekaartje... Contacten gelegd met geïnteresseerden die stonden te popelen om door mij getoonde social software te gaan bekijken en hopelijk gebruiken.

Er waren ook kritische noten te horen (gelukkig). Zo vroeg een deelnemer of het niet allemaal maar een hype was die over een paar jaar weer vergeten zou zijn. Moeilijk om daar een redelijk antwoord op te geven, vind ik altijd. Dezelfde persoon stelde ook nog een meer relevante vraag, namelijk over de duurzaamheid van programma's als [FURL](#). Wat als je straks je archief netjes gevuld hebt en het zaakje wordt uit de lucht gehaald?

Search Articles:**Article Length:****Sort By:**

Date

Title

Source

New

Recent Articles:

All

Today

Yesterday

Last Seven Days

This Month

Last Month

Source:

inter-net-viewer.nl

Actions:

Mail Link to This Page

Maak je geen zorgen over de opmaak. Die kan later nog altijd aangepast worden.



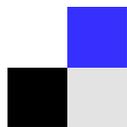
The temperature is a measure for the average kinetic energy of molecules. Energy is needed to increase their speed and hence the temperature. How much energy is needed per degree depends on the molecular mass (their number) and their kind (metal need little, water needs a lot).

Pad: [body](#)

Bewaar

Voorbeeld

Negeer



All your items (14)

« [earlier](#) | [later](#) » page 1 of 2

[Learning Objects Site](#) [edit](#) / [delete](#)

learning objects as a representation

to [learning-objects definition classification](#) ... on may 25

[iPeer](#) [edit](#) / [delete](#)

helps instructors create collaborative teams

to [socialsoftware collaborativelarning](#) ... [saved by 11 other people](#) ... on march 28

[Persoonlijke Internet Pagina - Advies Overheid.nl](#) [edit](#) / [delete](#)

lopend project, soort e-portfolio van de overheid, formulieren worden vooringevuld aangeboden, authenticatie via DigiD, te zwak, gevaar voor identiteitsdiefstal

to [e-portfolio, normalisatie](#) ... [saved by 6 other people](#) ... on march 21

[Some Considerations for Facilitating Online Interaction](#) [edit](#) / [delete](#)

wp2 use case from wp 8

to [virtual community; online interaction; social software](#) ... [saved by 2 other people](#) ... on march 14

[GRASS: Arena for Societal Discourse](#) [edit](#) / [delete](#)

Habermas applied, collaborative writing environment with facilities

to [social software](#), ... on march 6

[Tudu Lists](#) [edit](#) / [delete](#)

to [socialsoftware software opensource](#) ... [saved by 334 other people](#) ... on jan 27

[Ning | Home: Front Page](#) [edit](#) / [delete](#)

social software portal

to [social software](#) ... [saved by 4844 other people](#) ... on jan 27

[Intelligent Tutoring Systems](#) [edit](#) / [delete](#)

to [intelligent-tutoring-systems its tutoring](#) ... [saved by 6 other people](#) ... on jan 18

Where To Look For What You Need.™

Save Page

[Logout pbsloep](#) · [Help](#)

Title

URL

Rating 

Topic 

New topic (creates a new topic)

Item status private mark as read

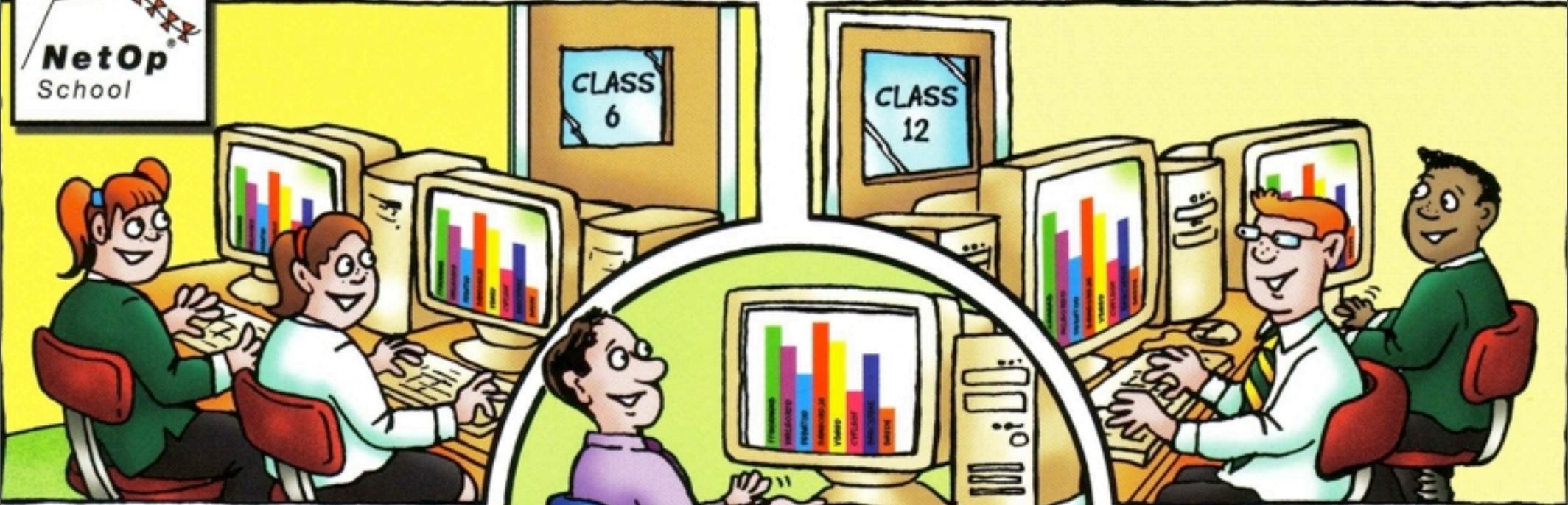
Keywords

Comments

Clipping

[Close window](#)

WANT TO CREATE A VIRTUAL CLASSROOM?



Recommender systems

— [Amazon, iTunes, Navigation service in learning environment

— [No social software

— human to data communication versus human to human communication

General principles

Technological (Web 2.0)

— [September 2005, Tim O'Reilly described the seven principles that underpin Web 2.0

[Google: Tim O'Reilly, what is web 2.0?]

— [They may be considered design principles of social software

Distributedness

— [The web as platform: the more the merrier (Reed's law: number of groups increases with 2 to the power of the number of users)

— [Utilises collective intelligence: wikipedia, blogging

— [It's about data: Amazon's recommendation system, G-mail

Programming

- [No more software releases: Google
- [Lightweight programming models: webservices (best example: RSS) or XML over http
- [Software for the network, not just for a single device: iTunes works on PCs and iPods
- [Rich user experience: active content via Java etc. (best example: Google maps)

Cultural

— [Our read-and-listen cultural has all but ceased to exist.

— [We live in:

— a multimedia environment, dominated by images

— in which computers are online 24/7, ready to assist us

— [We are different than children below 25

— Marc Prensky's digital immigrants and digital natives!

Educational

— [social software emphasises communication - the read and write web - while thus far the web was about information - the read web

— [social software seems to be the instrument of choice to support a social-constructivist pedagogy

Discussion

— [Because of social software, for the first time in history e-learning is able to offer an adequate learning experience.

— [Without social software, informal learning is doomed to fail.

— [Through social software, you do not acquire deep knowledge or genuine friends.

— [Social software is a communication technology, not a learning technology.

— [The use of social software has serious dangers (intellectual property rights, privacy).

Coffee Break

Peer-tutoring in ad hoc transient communities

Problem

- [Teacher bandwidth problem: teachers and tutors are involved in one-to-one interactions with students rather than one-to-many
- [Students easily become isolated ('lone learner')

Identification of critical time-consuming student support activities in e-learning

Fred J. de Vries*, Liesbeth Kester, Peter Sloep, Peter van Rosmalen, Kees Pannekeet and Rob Koper

Open University of The Netherlands

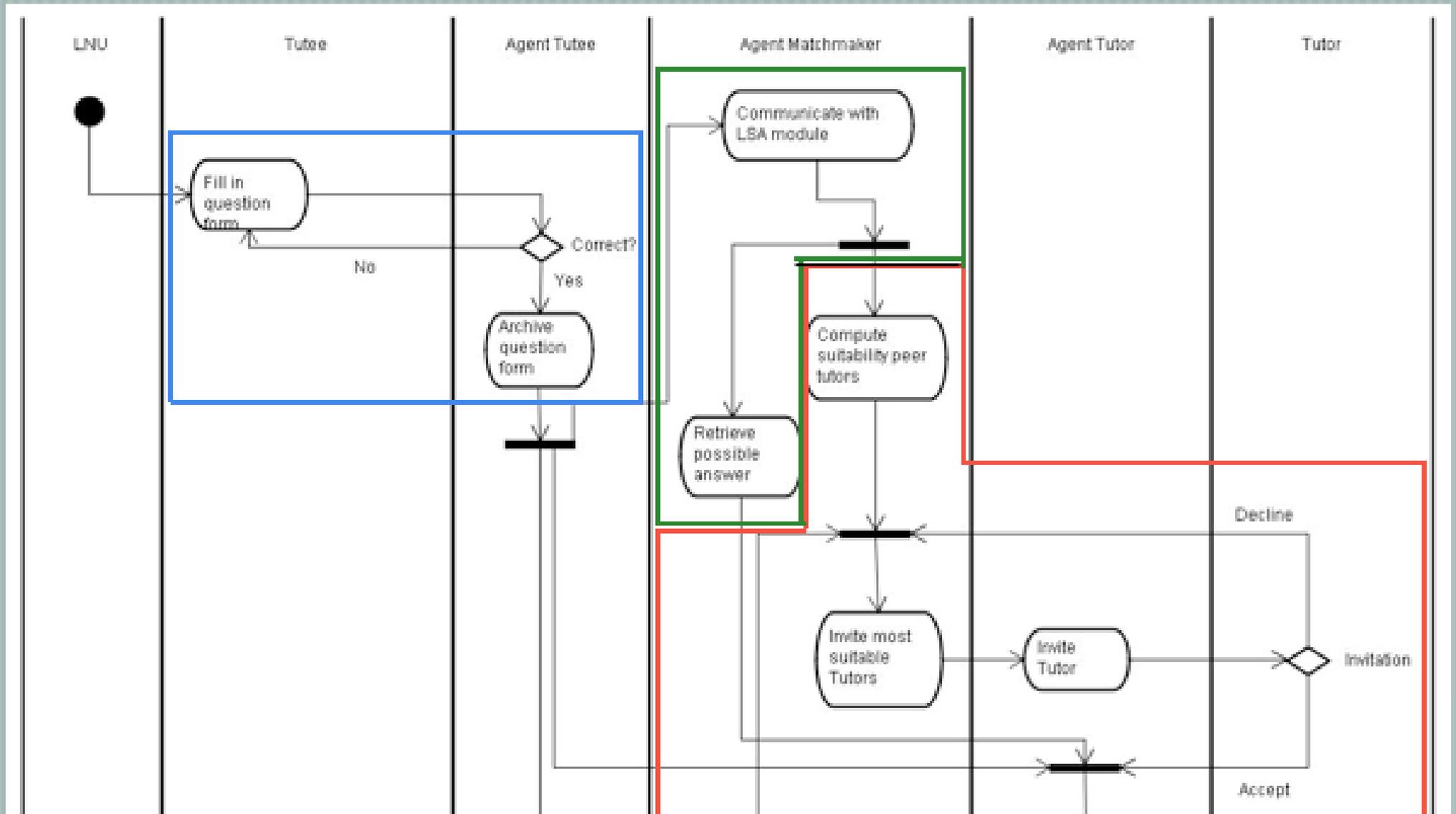
Higher education staff involved in e-learning often struggle with organising their student support activities. To a large extent this is due to the high workload involved with such activities. We distinguish support related to learning content, learning processes and student products. At two different educational institutions, surveys were conducted to identify the most critical support activities, using the Nominal Group Method. The results are discussed and brought to bear on the distinction between content-related, process-related and product-related support activities.

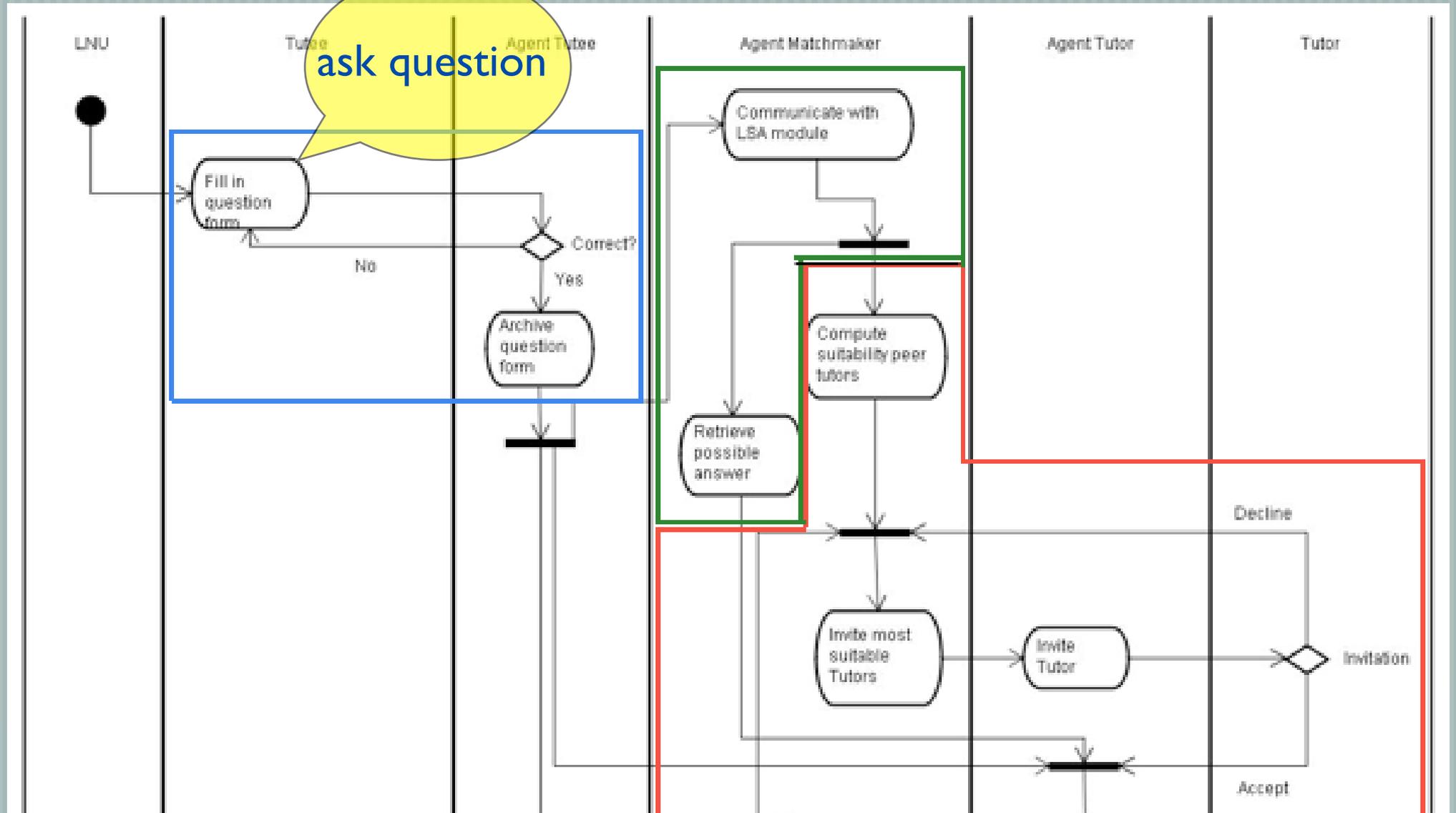
Solution

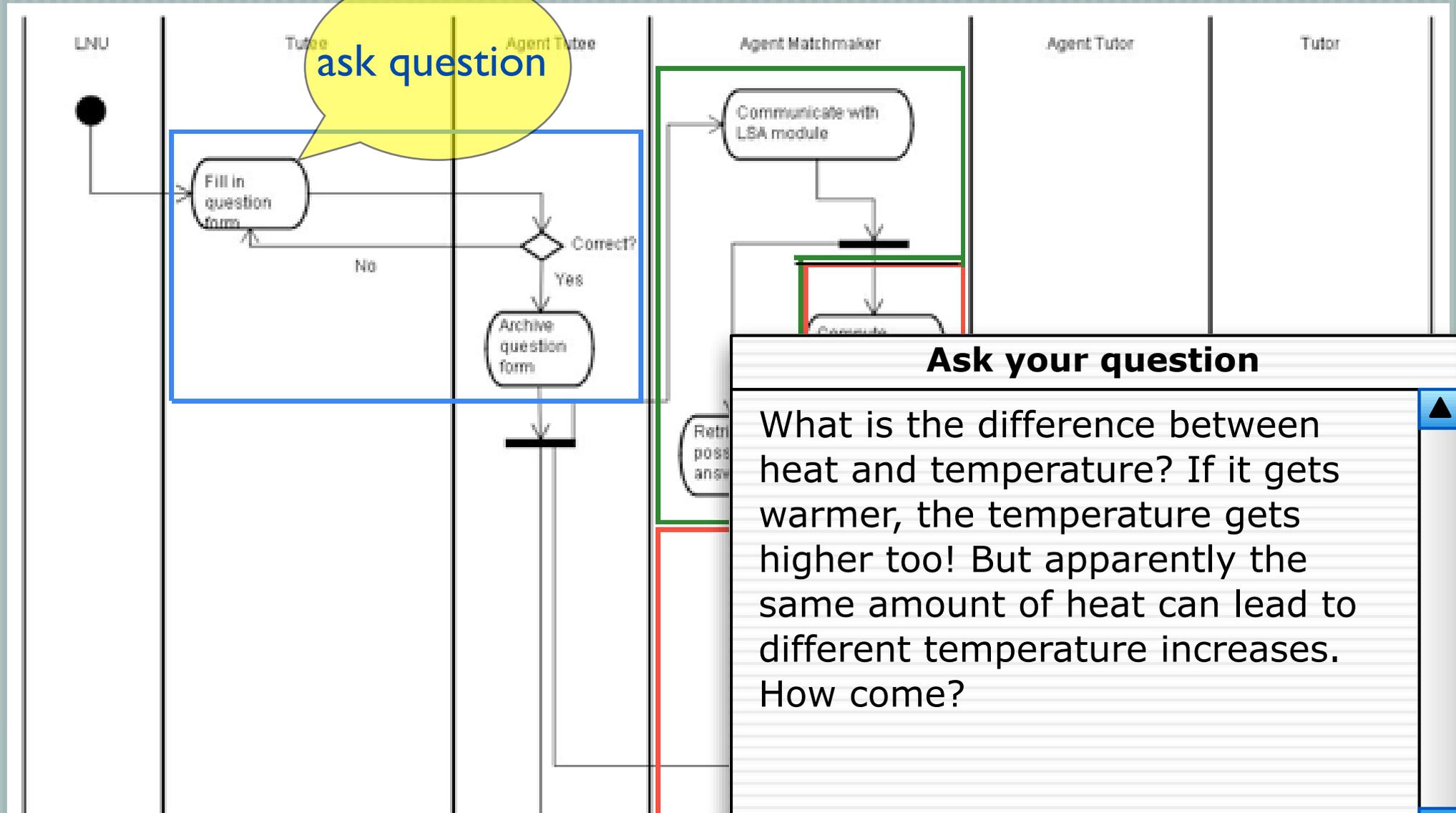
— [use peers as tutors to answer non-trivial questions

— [develop software that makes this feasible, without human intervention

— [ASA = Agent-led Support Activities (under construction!)







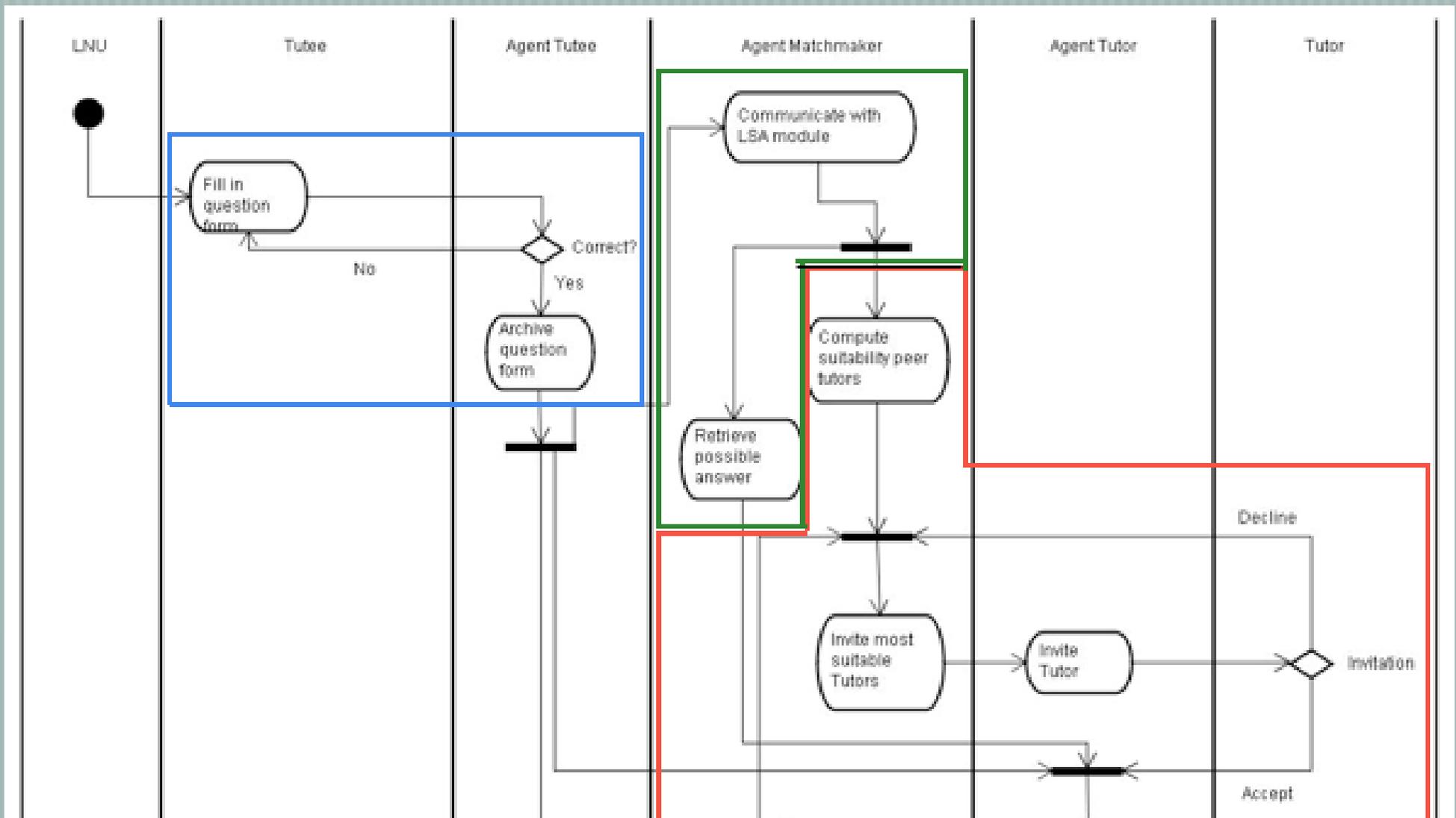
ask question

Ask your question

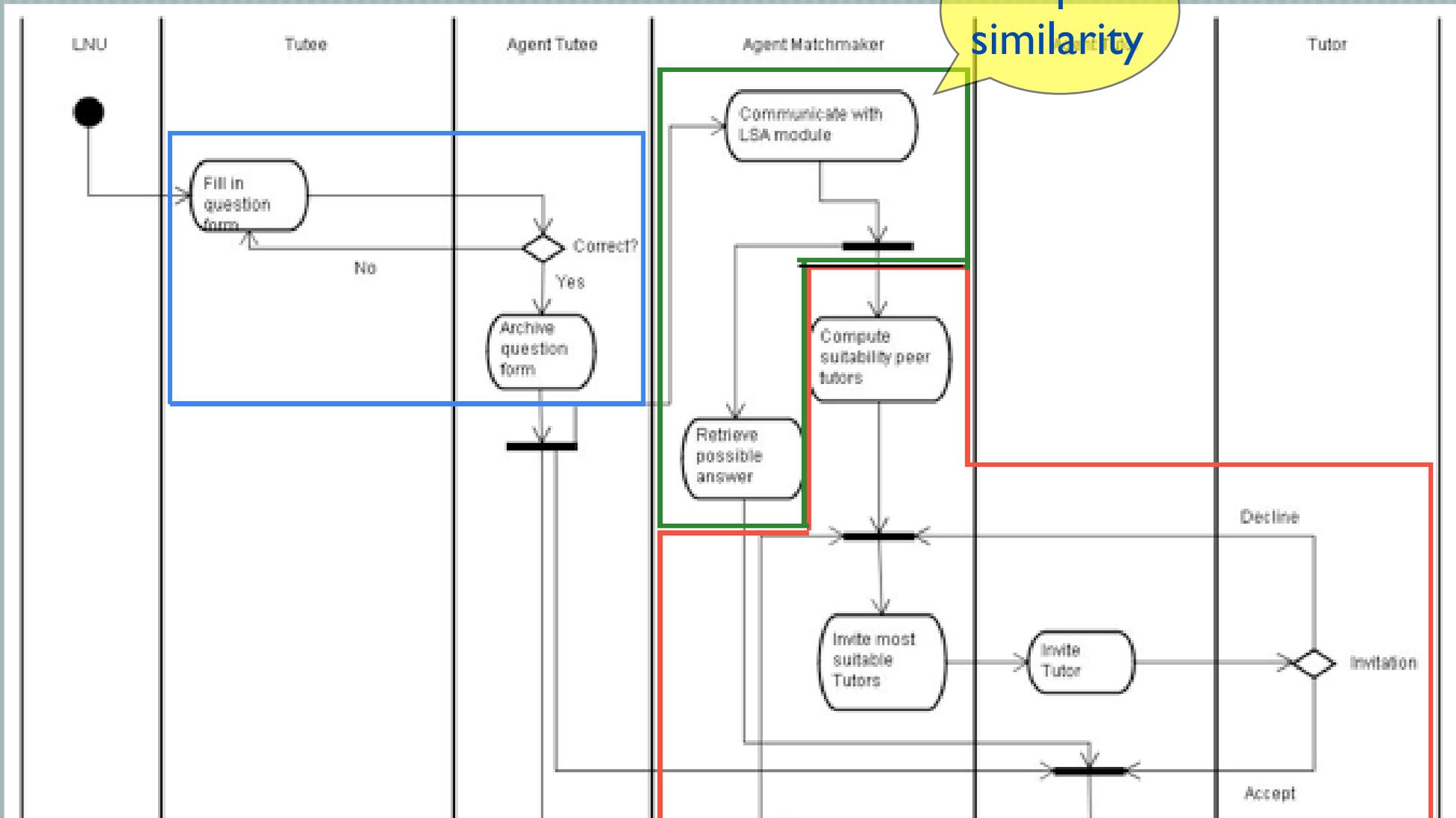
What is the difference between heat and temperature? If it gets warmer, the temperature gets higher too! But apparently the same amount of heat can lead to different temperature increases. How come?

Cancel

Submit



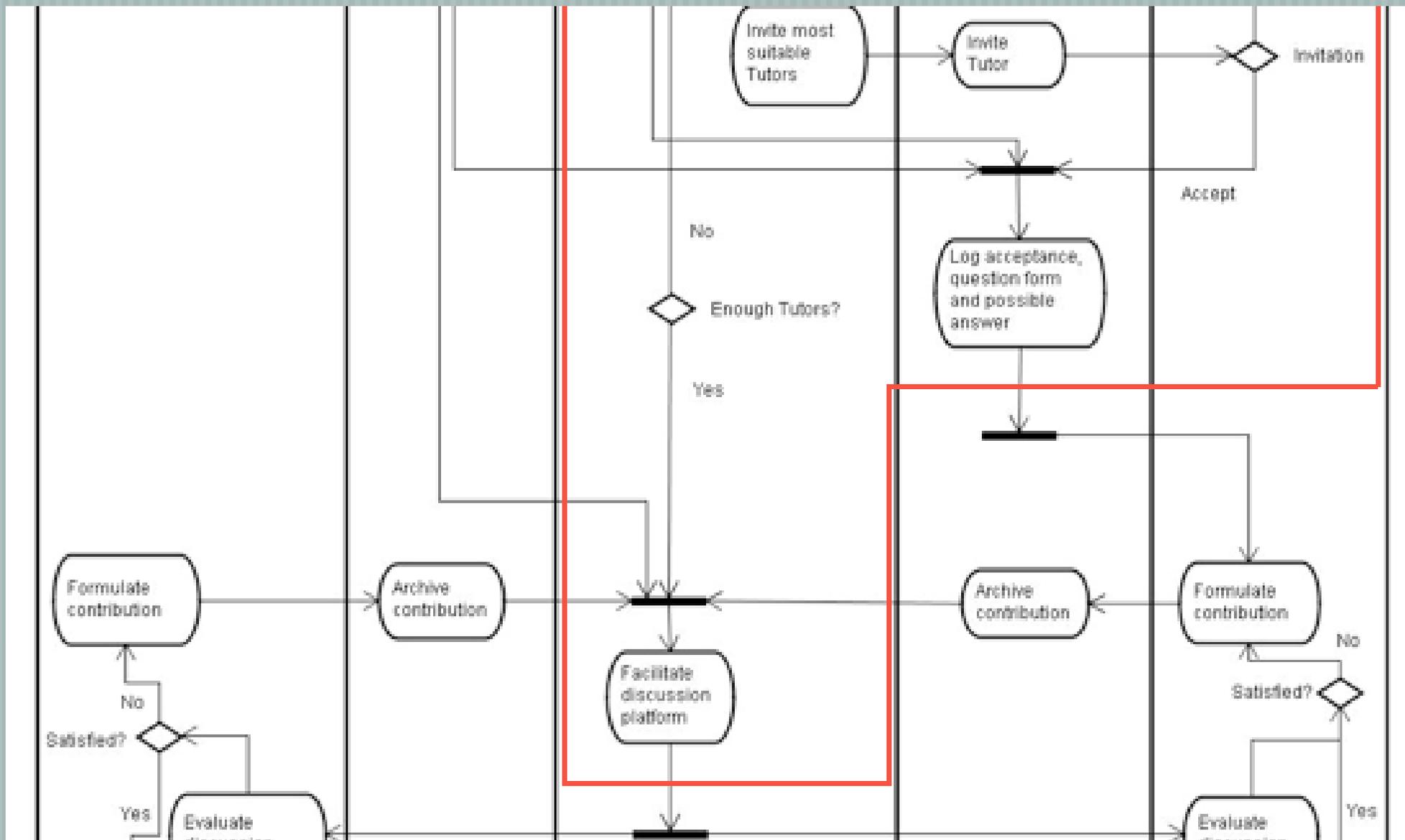
compute
similarity

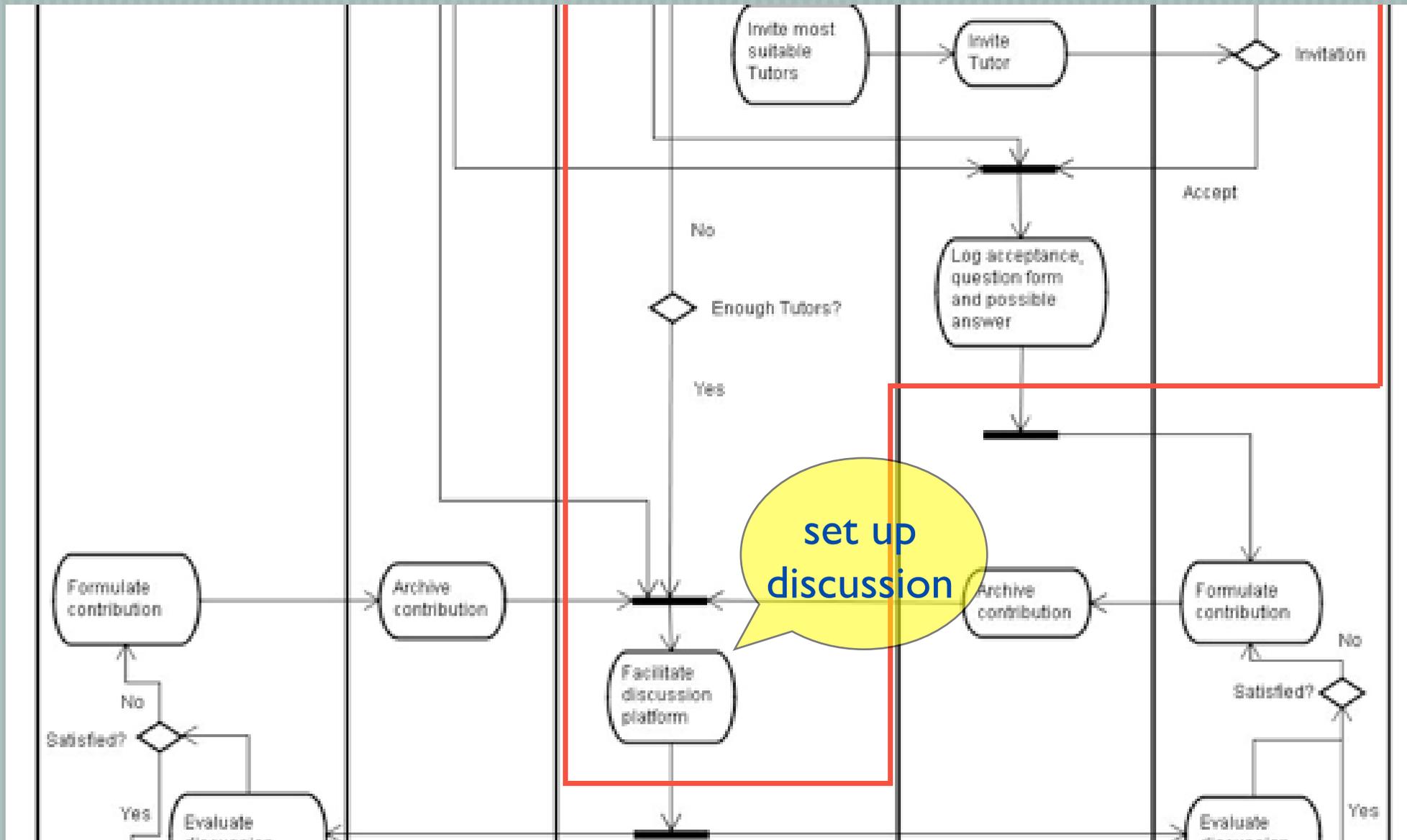


documents

	1	2	3			j			m
<i>ape</i>	5	11	0						
<i>left</i>	1	2	33						
<i>the</i>	110	156	144						
<i>kind</i>	25	19	0						
i						$fr(ij)$			
n									$f(mn)$

terms







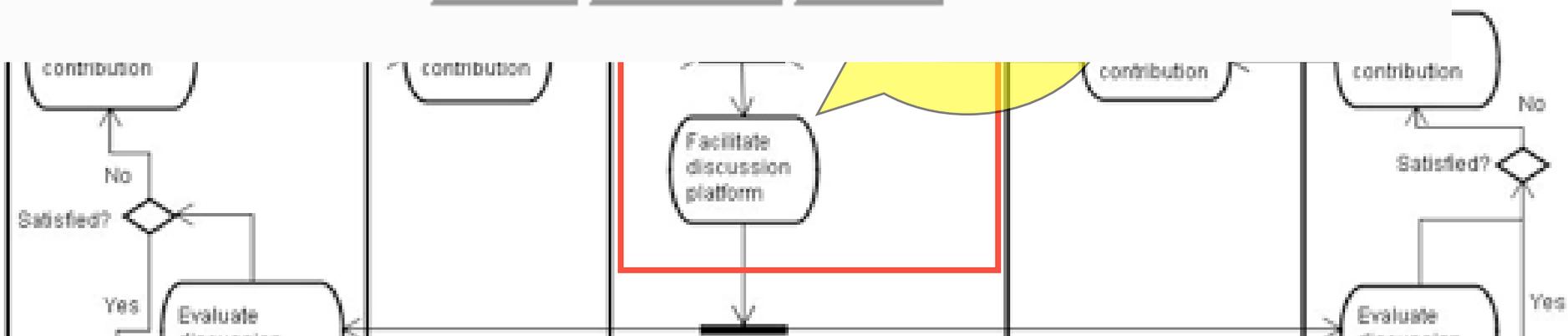
The temperature is a measure for the average kinetic energy of molecules. Energy is needed to increase their speed and hence the temperature. How much energy is needed per degree depends on the molecular mass (their number) and their kind (metal need little, water needs a lot).

Pad: body

Bewaar

Voorbeeld

Negeer



In summary

— [ASA is a piece of social software

— [it creates ad hoc, transient communities

— [it is designed to work in informal learning contexts (learning networks)

— [it should help solve the teacher bandwidth problem and the lone learner problem

Overall conclusions

Overall conclusions

- [Educational social software

- fits the rapidly changing culture of our youths
- fits modern pedagogical views such as social-constructivism
- requires much R&D if it is to be used effectively and above all in a pedagogically sound way



**Thank you for your
attention!**

**Peter B. Sloep
Fontys Hogescholen
Open Universiteit Nederland**

mail: p.sloep@fontys.nl

peter.sloep@ou.nl

web: <http://www.ou.nl/open/psl>